Transportation
Library
TF
1
.R13

RAILWAY AGE

With which are incorporated the Railway Review, the Railroad Gazette, and the Railway Age Gazette. Name Registered in U. S. Patent Office and Trade Mark Office in Canada.

Founded in 1856

Office of Publication, Orange, Conn. Editorial and Executive Offices at 30 Church Street, New York 7, N. Y., and 79 West Monroe Street, Chicago 3, Ill.

Washington 4, D. C.: 1081 National Press Building—Cleveland 13: Terminal Tower—Seattle 1: 1914 Minor Avenue—Los Angeles 17: 816 West Fifth Street—Dallas 4: 2909 Maple Avenue.

Samuel O. Dunn, Chairman. James G. Lyne, President. J. S. Crane, Vice-President and Secretary. C. Miles Burpee, Harry H. Melville, C. W. Merriken, John R. Thompson, R. E. Thayer, H. E. McCandless, Vice-Presidents. J. T. DeMott, Treasurer. Ralph E. Westerman, Arthur J. McGinnis, Assistant Treasurers.

INDEX

One Hundred and Twenty-Eighth Quarto Volume

January 1, 1950, to June 30, 1950

Ninety-Fifth Year
1950
First Half

PUBLISHER . . .
Samuel O. Dunn

EDITOR . . .
James G. Lyne

MANAGING EDITOR . . .
C. B. Tavenner

WESTERN EDITOR . . .
William H. Schmidt, Jr.

NEWS EDITOR . . .
Gardner C. Hudson

WASHINGTON OFFICE . . .
Walter J. Taft
Joe W. Kizzia

ELECTRICAL DEPARTMENT . . .
Alfred G. Oehler

TRANSPORTATION DEPARTMENT . . .
Robert G. Lewis

MECHANICAL DEPARTMENT . . .
C. B. Peck
E. L. Woodward
H. C. Wilcox
C. L. Combes
G. J. Weihofen

ENGINEERING DEPARTMENT . . .
M. H. Dick
Walter L. Turner, Jr.
Henry E. Michael
Norris V. Engman
Radford E. Dove

PURCHASES & STORES DEPARTMENT . . .
John W. Milliken

EQUIPMENT & FINANCIAL NEWS . . .
Fred C. Miles

SIGNALING AND COMMUNICATIONS DEPARTMENT . . .
John H. Dunn
Maurice Peacock

WESTERN NEWS DEPARTMENT . . .
Arthur M. Cox, Jr.

ASSOCIATE EDITOR . . .
Charles Layng

LIBRARIAN . . .
Edith C. Stone

EDITORIAL ASSISTANT . . .
Elaine C. Farrar

Railway Age is a member of Associated Business Papers (A. B. P.) and Audit Bureau of Circulation (A. B. C.) and is indexed by the Industrial Arts Index and the Engineering Index Service. Published each Saturday by the Simmons-Boardman Publishing Corporation, Orange, Conn.
PRINTED IN U. S. A.

INDEX

Transportation
Library

One Hundred and Twenty-Eighth Quarto Volume—January 1, 1950 to June 30, 1950

AUTHORS

Albach, G. H., 244
Appleton, J. A., 296
Aronson, Jacob, 1100
Atkinson, Arthur K., 80, 145, 1115
Aydelott, J. H., 544

Babcock, J. B., 267
Baldwin, H. L., 584
Ball, F. S., 1140
Banigan, Leon F., 887
Barkes, Curtis, 1149
Barriger, John W., 556
Battey, R. B., 651
Baumrucker, R. O., 691
Bayer, Robert J., 578, 887
Bearc, C.H., 562
Bennett, Alonzo, 580
Bennett, E., 549
Blackburn, J. B., 558
Bleibtreu, H., 786
Brown, Richard P., 191
Burpee, C. Miles, 793
Burton, W. J., 878
Burtt, H., 1075
Byers, G. M., 1256

Callahan, W. E., 278
Campbell, A. N., 505, 1168
Chevier, Lionel, 622
Clement, M. W., 837
Collins, Mac G., 910
Cook, H. L., 348
Corcoran, John F., 277
Coughlan, R. E., 586
Coughlin, E. W., 578, 1192
Cramer, R. E., 554
Crowley, Leo T., 724
Cunningham, Bill, 184

Dailey, A. A., 277
Dearing, Charles L., 316
Dick, Fairman R., 321, 847, 882, 1056
Dick, Merwin H., 8, 22
Downie, Robert C., 661
Drake, H. C., 441
Drury, Alden M., 239
Dunn, John H., 34, 84

Escobosa, J. M. Orozco, 44

Farley, William T., 840, 1083
Fellows, John A., 557
Felton, S. M., 219
Ferguson, Stanley, 887
Franklin, Walter S., 1098
Fraser, D. V., 1242
Frederick, Dr. John H., 154
Freeman, Dr. Douglas S., 801
French, E. S., 973

Gabrielson, Guy C., 807
Gegenheimer, E. C., 580
Ghai, M. L., 402
Glacy, G. F., 235
Gordon, Donald, 1225

Hahn, Walter F., 448, 862
Hayes, W. E., 1242
Hays, Joseph H., 1010
Henley, R. G., 267
Henry, Roberts S., 804
Hill, James B., 75
Holland, J. F., 1242
Holmes, C. R., 1256
Hopkins, Z. G., 624, 1013
Howard, Neal D., 18
Hudson, Gardner C., 64, 871
Hungerford, Clark, 1161
Huntress, Carroll B., 191

Jelsma, E. R., 753
Johnson, Edwin C., 618
Johnston, Paul W., 243
Johnston, Wayne A., 1010

Kalmbach, A. C., 651
Kelly, H. X., 1273
Kerr, Charles, Jr., 647
Kirk, J. C., 1243

Lant, N. E., 261
Lewis, D. W., 558
Lewis, R. G., 14
Lex, Charles E., Jr., 550
Limmer, Ezekiel, 889
Loderhouse, G. W., 918
Lyne, James G., 214, 447

MacDonnell, W. A., 1242
Madden, James L., 752
Magee, G. M., 470, 554
Mann, Ralph H., 879
Manning, G. K., 554
McColgin, E. L., 691
McCool, Than, 538
McFarlane, H. M., 479
McGrath, J. Howard, 237
McKenzie, H. J., 877
Metzman, Gustav, 1092
Meyer, Carleton W., 312
Michael, Henry E., 90, 102
Middleton, P. Harvey, 1067
Miles, Fred C., 71, 76, 77
Miller, A. A., 553
Milliken, J. W., 12, 20, 38, 61, 979
Mitchell, Richard F., 355
Monteith, A. C., 589
Morfa, R. J., 619

Nelson, Roy Paul, 738
Nye, Fred N., 153, 358

Oehler, A. G., 32
Olson, Edwin A., 953
Osburn, M. B., 1090

Page, Arthur W., 1056
Paris, George H., 558
Parmelee, J. H., 46

Parrish, Wayne, 887
Parsons, S. A., 691
Patchell, Walter W., 1057
Peacock, Maurice, 36, 81
Peck, C. B., 6
Perlman, A. E., 140
Phelps, Andrew H., 596
Pomeroy, Cleve H., 363
Pratt, Henry H., 709
Prince, Gregory S., 279

Rathje, Frank C., 752
Richberg, Donald R., 802
Rigg, John, 132
Robbins, Frank S., 267
Roddewig, C. M., 726
Runston, G. H., 1120

Schier, A. C., 604
Schmidt, W. H., Jr., 28, 30, 887
Schwietert, A. H., 676, 918, 1186
Schwinn, F. S., 137, 478, 543
Selig, Lester N., 1056
Sheils, L. J., 1117
Shields, L. J., 272
Shoemaker, Perry M., 448, 709
Shores, J. B., 1223
Sills, Carlton, 297
Skog, C. A., 188
Sloan, C. E., 1030
Smith, Earl B., 617
Smith, R. H., 427, 802, 805
Spencer, Lee, 408

Taylor, E. H., 580
Taylor, Jack, 552
Tremear, W. C., 741
Truax, T. R., 555

Uhrbrock, Frederic, 448, 736

Van Hoven, Paul H., 469
Van Metre, R., 691
Vollmer, W. G., 545

Walworth, W. R., 610
Weihofen, G. J., 24
White, R. B., 353
White, William, 1191
Whitman, F. B., 361
Williamson, Gen. William J., 952
Wilson, Charles E., 259
Wilson, G. Lloyd, 398
Wilson, L. F., 1134
Winkler, L. H., 554
Woods, K. B., 558
Woodward, E. L., 26
Wyer, William, 221, 256
Wyly, L. T., 558
Wynn, O. B., 408

Yellott, John I., 745
Young, H. H., 1011

For the convenience of subscribers who do not bind the RAILWAY AGE, the inclusive page numbers of each issue from January 7 to June 24, 1950, are shown below:

January 7 1-124
January 14 125-166
January 21 167-210
January 28 211-252

February 4 253-294
February 11 295-334
February 18 335-378
February 25 379-424

March 4 425-466
March 11 467-530
March 18 531-582
March 25 583-634

April 1 635-680
April 8 681-728
April 15 729-770
April 22 771-816
April 29 817-858

May 6 859-900
May 13 901-946
May 20 947-1026
May 27 1027-1064

June 3 1065-1112
June 10 1113-1164
June 17 1165-1220
June 24 1221-1278

GENERAL INDEX

[*Illustrated articles are indicated thus*; Editorials thus†; Letters to Editor thus‡*]

A

AB Brakes (See Brakes, Air)
Abandonments:
B. & O. Seeks to Drop "Cincinnatian", 1206
Mileage Abandoned, 1917-49, 102*
Oldest Continuously Operated Passenger Service in U. S. Abandoned by B. & O., 412*
Virginia & Truckee, 518, 851
Accident Prevention:
Railroads in New York Area Take Precautionary Measures Against Derailment Attempts, 452
Scotchlite Used by Railroads to Aid, 338*
Why Some Locomotive Failures Occur, 861†
Accidents:
Air Line Fatality Rate in 1949, 105, 797
C. M. St. P. & P. "Chippewa Hiawatha" Derailed, 321, 1162
C. R. I. & P. "Imperial Derailed, 317
"City of San Francisco" Derailment on C. & N. W., 241
Fatality Rate, Passenger and Employee, in 1949, 364
First-Aid Instruction Available to Railroads, 731†
Grade Crossing:
A. T. & S. F.'s "Super Chief" and Truck, 189* Year 1949, 1149
I. C. C. Bureau of Locomotive Inspection Annual Report for 1948-49, 179, 213†
I. C. C. Statistics for November, 154; December, 364; January, 565; February, 930; March, 1010; April, 1203
L. I. Collision at Rockville Center, 410, 425†, 451, 538‡, 651‡, I. C. C. Report, 659; 871*
Long Trains Are No Safety Hazard, 730*†
L. & N. "Pan American" Derailed, 413
Passenger Fatality Rates of Air Lines and Railroads in 1949, 797
Why Some Locomotive Failures Occur, 861†
Accounting:
Bookkeeping Machines Supersede Pens, 38*
Consolidated Statistical Statements for 1950 Required by I. C. C., 844
Interline Ticket Accounting, Machines for, 224*
I. B. M. Electronic Calculators, 889*
"Mark Sensing" Device for Use with Tabulating Equipment, 38
N. & W. Stores Accounting Done by Machine, 1122*
Relief for Station Paperwork Promised, 1080*
Southern's Purchasing Department Accounting Streamlined, 1118*
Standard Material Classification, P. & S. Div. Report on, 1250*
Underwood Adding Tabulator, 1124*
Accounting Department; "Seeing Eye of Management", 235
Accounting Machine, Burroughs Sensimatic, 1125*
Accounting Offices, Railroad Freight, Directory of, 453
Accounts, A. R. E. A. Report on, 552
Actuarial Valuation, Fourth, of the Assets and Liabilities Under the Railroad Retirement Acts, 277
Address on File Card Printed on Envelope with Weber Recordo-Print Adaptor, 1123*
Addressograph Multigraph Machines, New, 269*
Administracao do Porto de Rio de Janeiro: Diesel Locomotives Replace Steam Power, 1008*
Administrative Procedure Act: I. C. C. and Supreme Court Interpretations of Separation-of-Functions Requirements, 565
Advertise Good L. C. L. Service, 213†
Advertising:
C. M. St. P. & P. Stresses Streamlined Trains vs. Nervous Strain of Automobile Driving, 414*
K. C. S. Sign Near Kansas City Union Station, 842*
M. P. Outdoor Advertising Campaign, 921*
N. Y. C. Television Spot Announcements, 515*
Reading Shows Passenger-Service Losses, 355*
Scotchlite Used by Railroads for, 338*
S. P. Bites Back at Air Line Advertising, 347*, 445*
Southern Railway; Diesels for Dixie, 698*
T. & P. "Soapbox for Freedom" Ad, 313
Advertising in the Community; Carlton Sills on, 297
Aer-o-foam Liquid Used as a Fire Extinguisher, 350*
Agricultural Commodities; Relationship of Rates to Market Prices; E. Limmer on, 889
Air Brake Instruction Car; St. L.-S. F., 340*
Air Brakes (See Brakes, Air)
Air Filter Cleaning Unit, Mahon, 594*
Air-Filter Door, Kinnear, 186*, 502*
Air Freight: Increase for 1950 Estimated, 461
Air Lines:
Accident Rate in 1949, 105, 797
Economics of Coach Service Questionned, 1149
"Fly-By-Day" Lines in California Encroach on Existing Carriers' Traffic, 699*, 1149
Irregular Carriers, CAB Proposes New Curbs on, 1204
S. P. Bites Back at Advertising of, 347*, 445*
Subsidies; S. S. Alderman on, 749; Robert Ramspeck's Reply to, 1093
Year 1949 Reviewed by C. A. A. and A. T. A., 105
Air Mail Costs and Deficits in 1948-49, 890
Air Mail Payments: Proposals for Separation from Subsidy Payments, 149, 359; Bills in Congress, 360, 754
Air Pollution Research at Battelle Memorial Institute, 365
Air Transport Association: Review of Air Lines' Operations in 1949, 105
Air Transportation:
Testimony Before House Subcommittee Holding Hearings on the Transportation Situation, 461
Testimony Before Senate Subcommittee Holding Hearings on Domestic Land and Water Transportation, 749, 1093
Air Transportation Industry, Commercial, Development of, 749, 1093
Akron Union Station, 726, 1042*, 1130*
Al Evans Winch, 502*
Alabama Intrastate Express Rate Adjustment Ordered by I. C. C., 1017
Alabama Intrastate Freight Rate Adjustments Sought in Ex Parte 166 and Ex Parte 168 Cases, 242
Alan Wood Steel Company: Hot Rolled Strip Mill, 750*
Allegheny & South Side, I. C. C. Report on Status of, 623
Allegheny Regional Advisory Board Meeting, 661
Allied Chemical & Dye Corporation: General Chemical Division: Weed-Killer Chemicals Improved, 504
Allis-Chalmers Tracto-Shovel with Tractomotive Angledozer, 490*
Alta Centrifugal Pumps, 499*
Aluminum Blast Plates, 486*
Aluminum Box Car Built for Roberval & Saguenay, 308*
Aluminum Company of America: Blast Plates, 486*
Aluminum Company of Canada, Ltd.; Roberval & Saguenay Aluminum Box Car, 308*
Aluminum-Covered Plywood Containers; P. R. R., 389*
Aluminum Sleeping Cars for U. P., C. & N. W., and Wabash, 534*
Aluminum Track Jack, Duff-Norton, 498*
Amador Central: Savings Due to Diesel Locomotive, 276*
American Association of Railroad Superintendents: Annual Meeting, 1059, 1191*
American Association of State Highway Officials: Report of Subcommittee on Overloads, 260
American Brake Shoe Company:
Annual Report, 516
Canadian Subsidies Consolidated, 517
American Car & Foundry Company:
Aluminum Sleeping Cars for U. P., C. & N. W., and Wabash, 534*
C. & N. W.-U. P. Passenger Car Order Nearing Completion, 318*
American Hoist & Derrick DiesElectric Locomotive Crane, 268*
American Locomotive Company:
Field Sales and Service to be Handled by General Electric Company, 894
Fraser, D. W., Succeeds R. B. McColl as President, 181*
Locomotive, Gas-Turbine, Tested on U. P., 314
American Materials Handling Society: New York Chapter Organized, 529
American Railway Car Institute:
"Fair Play for Railroads" Campaign, 219; F. R. P. Award Received for, 1034*
Freight and Passenger Tax Repeal Urged, 412
Freight Car Orders and Production: December, 157, January, 324; February, 517; March, 757; April, 934; May, 1209
Testimony Before Subcommittee of House Committee on Interstate and Foreign Commerce Holding Hearings on the Transport Situation, 514
Testimony Before Subcommittee of Senate Committee on Interstate and Foreign Commerce Holding Hearings on Domestic Land and Water Transportation, 925
American Railway Development Association:
Annual Meeting, 881*
Perishable Loss and Damage Course at Purdue, 567
American Railway Engineering Association:
Board of Direction, Members of, 541*
Constitutional Changes Being Voted Upon, 927
Howard, N. D., to Succeed W. S. Lacher as Secretary, 542*
Impromtu "Shots" at the Convention, 592*
Invitation to Attend Convention Extended to All Railroad Men, 137*
Letter of F. S. Schwinn to Members and Friends, 478
Program, 479
Report on Buildings, 549
Report on Clearances, 550
Report on Cooperative Relations with Universities, 550
Report on Economics of Railway Labor, 547*
Report on Economics of Railway Location and Operation, 555
Report on Highways, 548
Report on Impact, 557
Report on Iron and Steel Structures, 558
Report on Maintenance of Way Work Equipment, 548*
Report on Masonry, 558
Report on Rail, 533†, 553, 554
Report on Records and Accounts, 552
Report on Roadway and Ballast, 551*
Report on Ties, 550
Report on Track, 556*
Report on Uniform General Contract Forms, 546
Report on Water Service and Sanitation, 546
Report on Waterproofing, 557
Report on Wood Bridges and Trestles, 555
Report on Wood Preservation, 556
Report on Yards and Terminals, 551*
American Railway Magazine Editors' Association: Officers, 528
American Red Cross First-Aid Instruction Available to Railroads, 731†
American Short Line Railroad Association:
Plan to Make Short Line Cars Earn Per Diem, 928
Testimony in Senate Investigation of Domestic Land and Water Transportation, 924
American Smelting & Refining Company: I. C. C. Car Spotting Service Order Upheld by Supreme Court, 710
American Society of Mechanical Engineers:
Railroad Division to Meet in St. Louis, 677
Railway Rolling Stock Plays Vital Part in Materials Handling, 140*
American Society of Traffic and Transportation: Examinations for Certification to be Held, 1017
American Standards Association: Members of Standards Council Honored, 1161
American Steel Foundries: Sampler Commemmorating Centennial Presented to L. N., 625*
American Trucking Associations, Inc.:
Members of National Freight Classification File Rate-Procedures Agreement with I. C. C., 452
Motor Truck Industry in 1949, 105
Motor Truck Traffic: Fourth Quarter 1949, 625; Year 1949, 768; First Quarter 1950, 1204
Motor Truck Traffic: November, 193; December, 365; January, 578; February, 754; March, 931; April, 1204
Outlook for Trucking Industry in 1950, 239
Subsidy Issue, Expects "Showdown" on, 105
Testimony Before Subcommittee of Senate Committee on Interstate and Foreign Commerce Holding Hearings on Domestic Land and Water Transportation, 1145, 1201, 1260
To Seek Further State Reciprocity and Tax Privileges, 1275
Westinghouse Electric Corporation Asked to Document Charges Against Trucking Industry, 705, 1275
American University:
Advisory Committee on Transportation Studies, 192
Fifth Rail Transportation Institute Cancelled, 751
Homberger, Dr. L. M., Studying German Railroads, 411
American Wood-Preservers' Association:
Annual Meeting, 876*
Wood Preservation Statistics for 1949, 848
Ames Iron Works: Amesteam Generator, 489*
Amesteam Generator, 489*
Angledozer, Allis-Chalmers Tractomotive, 490*
Annual Reports:
B. & A. Report Contains Report from Labor, 773†
Tables for Individual Roads, 628, 759, 852, 1106
Ansul Dry Chemical Fire Extinguisher, 595*
Ansul Stationery Dry Chemical Fire-Fighting Units, 482*
Anti-Trust Case, Georgia; Special Master Advises Supreme Court to Dismiss Complaint Against Railroads, 1152, 1196
Anti-Trust Charge Against R. E. A., I. C. C. to Hear Plea for Finding to Refute, 274, 1147
Argentine Railway Mission Studying American Railroad Methods, 724
Armco Snow Fence, 484*
Army (See United States Department of the Army)
Associated Railroads of New Jersey: Executive Changes, 194
Association of American Railroads:
Accounting Division:
Annual Meeting, 1264
Directory of Freight Accounting Offices, 453
Bureau of Railway Economics:
Material Price Index Revised, 1260
Purchases, Years 1923-49, 743
Capital Expenditures in 1949, 885
Car Hire, Demurrage and Storage Rules Pact Conditionally Approved by I. C. C., 526, 563
Car Service Division:
Average Car Load in 1949, 1204
Car Shortage Discussed with N. I. T. League, 1273
Comparison of Shippers' Estimates and Actual Car Loadings in Third Quarter of 1949, 451; Fourth Quarter, 1100
Regulations Governing Use of Special-Type Flat Cars, 454
Reports on the Car Supply, 236, 658, 1099
Service Orders to Expedite Return of Western-Owned Box Cars, 806, 850, 1099, 1153, 1265
Communications Section: Moved to Chicago, 705
Engineering Division: Research Projects Under Way, 473
Equipment on Order and Installed, 197, 417, 627, 850, 1264
Freight Claim Division:
Annual Meeting, 918*
Loss and Damage; First Six Months of 1949, 276
Perishable Loss and Damage Course at Purdue, 567
Freight Station Section: Annual Meeting, 1059, 1185*, 1204*
Henry, R. S., No 40-Hour Week for, 620*
Mail, Air and Rail, Costs and Deficits in 1948-49, 890
Mechanical Division:
Foundation Stone of American Railroading, 1222†
Journal-Box Packing Requiremnts, Tests for, 1230*
Meeting Dates for 1950, 282
Program for Annual Meeting, 1101, 1207, 1224*
Progress Report on Freight Car Truck and Snubber Tests, 281

GENERAL INDEX—Continued

[*Illustrated articles are indicated thus*; Editorials thus†; Letters to Editor thus‡*]

Association of American Railroads:—*(Continued)*
Mechanical Division:—*(Continued)*
Research Projects Under Way, 473, 1222†
Review of Tests for Improving the Riding Qualities of Freight Car Trucks, 976*
Medical & Surgical Section:
Annual Meeting, 712
Moved to Chicago, 705
Mississippi River, Cost of Providing Channels for, 227
N. Y. C. & St. L. Resumes Membership in, 409
Operating Section Moved to Chicago, 705
Protective Section:
Annual Meeting, 891, 1100
Moved to Chicago, 705
Purchases and Stores Division:
Annual Meeting, 1059, 1116*, 1242*
Diesel Locomotive Parts Committee Visits Baldwin Plant, 752*
Report of the General Committee, 1243
Report on Fire Prevention, Safety Practices and Insurance, 1252*
Report on Forest Products, 1247
Report on Fuel, 1246*
Report on Loss and Damage Prevention—Salvage and Disposition, 1255
Report on Maintenance of Way and Construction Materials, 1251*
Report on Manufacturing in Shops, 1253
Report on Merchandising Surplus Material, 1256*
Report on Purchasing and Storing of Diesel Locomotive Parts, 1244*
Report on Purchasing Department Organization and Procedure, 1251*
Report on Reclamation, 1248*
Report on Scrap Handling, Preparation, Classification and Sale, 1245*
Report on Standardization of Stores Stock, 1250*
Report on Stationery and Printing, 1254*
Report on Storage and Material Handling Equipment, 1252*
Report on Stores Department Organization and Procedure, 1255*
Report on Terminal Railway Purchasing and Storekeeping, 1254*
Report on the Manual, 1245*
Report on the Standard Material Classification, 1250*
"Railroad Hour" Wins Radio Award, 676; Summer Show, 930; Voted Best Operatic Program on the Air, 1278
Refrigerator Car Division Research Projects, 473
Research Laboratory at Chicago Opened, 470*; Dedicated, 1082*; 1258*
Review of Railway Operations in 1949, 46*
Safety Section: Moved to Chicago, 705
Signal Section:
Moved to Chicago, 705
Officers, 157
Testimony Before Senate Subcommittee Holding Hearings on Domestic Land and Water Transportation, 703, 749, 782*, 799, 842, 859†, 1008, 1051, 1093
Ties, Mechanical Damage to; Joint Investigation with N. L. M. A., 550
Association of Railroad Advertising Managers: Annual Meeting, 282, 297
Associations vs. Unions, 297†
Atchison, Topeka & Santa Fe:
B. of L. F. & E. Strike Settled, 921, 1005, 1028†, 1045*
Chicago-California Passenger Service Changes, 463
Court Rules Engine Must Be On Line to Violate the Boiler Inspection Act, 567
First-Aid Training Program, 731†
Freight Service on West Coast Speeded Up, 365
Harvey House Off-Train Dining to be Revived, 463
"Kansas City Chief", 463; "Gay Nineties" Decor, 704*
Signaling Order Modified by I. C. C., 315
"Super Chief" and Motor Truck Crash, Aftermath of, 189*
Tests Show Causes of Waste Grabs and Hot Boxes, 1088*
Timetable Costs Slashed, 277
Train Radio Serves Three Operating Districts, 128*
Travel Posters, 707*
Atlanta & St. Andrews Bay:
Controversy Over First Dieselized Railroad, 691‡
Supreme Court Ruling in Car Coupling Accident Case, 108
Terminal Improvements at Panama City, 134*
Atlanta Express Terminal, Power Conveyor at, 780*
Atlantic Coast Line:
Cars, New Sleeping, in Service, 849
Citrus By-Products Produce New Traffic, 784*
Colored Passengers Thanked for Patronage, 305*
F. E. C. Merger Plan, Supreme Court Won't Review, 324, 707; Case Reopened by I. C. C., 1105
Lease of Freight Cars Under Equitable Life Assurance Society Financing Plan, 712
Safety Crossing Program, 1013
Tree Farm in Florida, 578*
Atlantic Coast Steamship Company Seeks Authority to Enter Atlantic-Gulf Trade, 242
Atlantic States Shippers' Advisory Board Meetings, 191, 805
"Automatic" Sprinkler Corporation of America: Automatic Foam Blanket for Fire Protection, 350*
Automatic Train Control, C. & E. I. Authorized to Modernize, 321
Automobile Bodies, Special Cars for Handling, 512, 672*
Automobile Manufacturers' Inventory on Rails, 188, 962*
Automobile Unloading and Storage Facility in the Bronx, N. Y. N. H. & H., 369
Awards:
A. S. A. Honors Members of Standards Council, 1161
C. & E. I. Gives Plaques to Freight Salesmen, 618*
Federation for Railway Progress, 851, 931, 1034*
"Railroad Hour" Wins Radio Award, 676
Railway Age Wins Award for Cover, 1233*
Awe Wheel Flange Lubricating Rods, 838*

B

Baker-Raulang Electric Fork Trucks, 268
Baker-Raulang Hustler Burden Carrier, 186*
Baldwin Locomotive Works:
Annual Report, 570
A. A. R. Committee on Diesel Locomotive Parts Tours Plant of, 752*
Diesel Parts Storeroom Opened in Houston, Tex., 283
Ballast, A. R. E. A. Report on, 551*
Ballast Cleaner, Pullman-Standard Improved, 496*, 500*; Organization of Forces for Use with, 547
Ballast Maintenance Car, Fairmont, 496*
Ballast Plow and Distributor, Kershaw, 488*
Baltimore & Ohio:
Annual Report, 667
Bridge Replacement and Line Change Near Riverdale, Ind., 1030*
"Cincinnatian', Seeks to Drop, 1206
Coal Exhibit Gives "Sales Ammunition" to Dealers, 411, 449*
Import Ore Pier at Baltimore, 159*, 368, 457, 706*
Office Methods Group Pays Its Way, 353*
Oldest Continuously Operated Passenger Service in U. S. Abandoned, 412*
"Railroad 'Rithmetic" Books for Children, 621
Second Morning New York-Chicago L. C. L. Service, 888; Riding the "Time-Saver", 979*
Staley, A. E., Manufacturing Company Qualifies for Spotting Service Under Line-Haul Rates, 412
Station, Akron Union, 726, 1042*, 1130*
Technical Graduate Training Course Inaugurated, 1273
Bangor & Aroostook:
Annual Report Contains Report from Labor, 773†
Cars, Special, and Car Dumper Cut Pulpwood Handling Costs, 866*
Daylight Saving Time to be Used by, 753
Debt Adjustment Plan Approved by I. C. C., 810
Potato Traffic, Handling of, 392*, 399*
Set to Beat the Competition, 392*, 399*
"Travel Talks" Published by, 622
Barco Manufacturing Company:
Diesel Fueling Crane, 484*
Valve Pilot Corporation Acquired by, 713*
Barge-Rail Rate Differential Case:
Court Denies Railroad Petition for Relief, 188
Order Postponed, 106, 366, 844
Supreme Court to Review, 275, 525, 1058
Basing Point Pricing System (See Federal Trade Commission Pricing Doctrine)
Battelle Memorial Institute:
Air Pollution Research, 365
Railroad Electrification Study to be Made, 526, 819†
Shelly Rail Investigation, 554
Battery Chargers, Mobile, for Submarines; G. E., 365
Bay City CraneMobile and CraneWagon, 489*
Bearings, Journal (See Journal Bearings)
Bearings, Roller (See Roller Bearings)
Bed for Roomettes, New Type of, 1092*
Bedford, Va., "Bulletin": Subsidized Competition, 609
Bell, Locomotive, Given to Church by L. V., 632
Bendix Aviation Corporation: Radio Division: A. T. & S. F. Uses Radio on Three Operating Districts, 128*
Bituminous Coal Research, Inc.:
Locomotive Development Committee: Experimental Coal-Burning Gas Turbine, 745*
Potter, Dr. A. A., Elected President, 1264
"Black Market" Ticket Investigation, I. C. C. Report on, 1259
Blade, Improved Tamper, 490*
Blast Plates, Aluminum, 486*
Block Signaling (See Signaling)
Bogle Weed Killer, 502
Bond Issues Sold in 1949, 69
Bond Prices in 1949, 64*
Bookkeeping Machines Supersede Pens, 38*
Borascu Weed Killer, 488
Boston & Albany: Budd Diesel Rail Cars in Service, 285, 847, 1147; Labor Dispute Over Crews, 1147
Boston & Maine:
Cancellation of Pick-Up and Delivery of L. C. L. Freight at One Point Approved by I. C. C., 927
Cars, Box, General American-Evans "D-F", Leased, 1264
Conveyor, Overhead, at Gardner Freighthouse, 401*
Daylight Saving Time to be Used by, 753
Stock Adjustment Plan Approved by I. C. C., 810
Veterans of 267 Years Service, 887*
Boston & Providence: Reorganization Proceedings, 1211, 1266
Boston Herald: Demands of Unions Ruining Railroads, 184
Boston Terminal Reorganization Plan Approved by I. C. C., 1266
Bowser Rotary Meter, 486*
Brainard Steel Company: Steel Banding for Tie Handling, 509*
Brakes, Air: Number of Cars Equipped with AB Brakes, 187
Branch Lines, Unprofitable, Tax Relief for, 691‡
Brandon Equipment Company Organized, 196, 1263
Breathing Apparatus, Chemox, 701*
Bridge & Building Supply Men's Association:
Agreement with T. S. A. and N. R. A. A. on Exhibits, 190
Exhibit, Joint, with Track Supply Association in September, 276
Bridges: (See also Trestles)
Aluminum Blast Plates for, 486*
B. & O., at White River Replaced, 1030*
C. I. & L., Near Delphi, Ind., Renewed, 262*
Fatigue Failures in Hangers; L. T. Wyly on, 558
First Major Railway Span to be Built Under the Truman-Hobbs Act, 624*, 826*, 1028†
N. & W.; Traffic Runs Above and Below Tracks, 362*
Southern; Across Tombigbee River, 624*, 826*, 1028*
Wooden, A. R. E. A. Report on, 555
Brine Drippings, Prevention of Damage to Track Resulting from, 556
Bros, Wm., Boiler & Manufacturing Company:
Rail-Highway Rotary Snow Plow, 490*
Rotary Snow Plow of Unique Design, 688*
Brotherhood of Locomotive Engineers:
"Sick" Engineers on L. I. Cease Striking, 886
Working Rule Changes Sought by, 188
Brotherhood of Locomotive Firemen & Enginemen:
Second Fireman on Diesels Case:
Discussion Reopened, 710, 890
Metzman, Gustav, on, 1092
Press Looks at the Strike, The, 861, 903, 9
Revenue Loss to the Southern Caused by Strike Threat, 841
Strike Called by, 797, 840, 891†, 921; Strike Settled, 1005, 1028†, 1045*
Brotherhood of Maintenance of Way Employees: Seeks Job Gurantees and Rehiring, 1097
Brotherhood of Railroad Trainmen:
D. & R. G. W. Dispute; Emergency Board Cites Union's "Unwillingness" to Accept Whole Railway Labor Act, 510
Forty-Hour Week for Yardmen; Some Rule Changes Granted, 189, 361, 451, 511 (Issues Under Discussion); 564, 621, 706, 751, 803, 846*, 883, 927, 1202, 1221†, 1238* (Emergency Board Report; Cost of Changes); 1258
Helps C. P. R. Cut Rough Handling, 1075
Railroads' Pleas for Long-Haul Trucking Study Supported by, 1205
Buda Company: Changes Made in Hebard Grouter, 494*
Budd Company:
Annual Report, 516
Diesel Rail Car for Mail and Baggage, 1209
Diesel Rail Car in Trial Service on W. P., 156; on C. & N. W., 365; on C. & E. I., 414; on C. I. & L., 676, 754*; on N. Y. S. & W., 845
Diesel Rail Car Tests on W. P., 156, 453*
Diesel Rail Cars in Service on B. & A., 285, 847, 1147
Streamliners, Coverdale & Colpitts Report on, 433*
Wabash "Blue Bird", 410*, 638*
Budd, Edward G., Foundation: Lecture Delivered by W. L. Batt, 514*
Budgets (See Improvement Programs)
Buildings:
Akron Union Station, 1130*
A. R. E. A. Report on, 549
A. A. R. Research Laboratory at Chicago, 470*, 1082*, 1258*
Stefco Prefabricated Steel, for Diesel Shops, 483*
T. & P. Station Modernization Program, 1234*
Trends in Freighthouse Design, 1066†, 1076*
Bulwinkle-Reed Act (See Interstate Commerce Act: Section 5a)
Burkart Tie Pad, 481*
Burlington Mills Corporation: Southern Roads to Intervene in Private-Trucking Case, 331
Burlington-Rock Island Now as Non-Operating Road, 110
Burlington Truck Lines to Purchase New Tractor and Trailer Units, 892
Burro Crane Improved, 496*
Burroughs Sensimatic Accounting Machine, 1125*
Butler Brothers Reparations Claim Dismissed by I. C. C., 236
Byers, A. M., Company: Wrought Iron Blast Plates on New York Central Bridge, 151*

C

Calculators, I. B. M. Electronic, Installed in Railroad and Railroad Supply Company Offices, 889*
Camp Outfits, Sanitation Practices in, 546
Canada:
Freight Car Loading, 110, 155, 193, 240, 280, 321, 353, 413, 452, 515, 566, 623, 661, 711, 753, 805, 848, 889, 928, 1010, 1058, 1099, 1151, 1206, 1261
Locomotive, First Streamlined Diesel-Electric, Built in 892*
Railway Construction in 1949, 101
Railway Developments in 1949, 40*

Canada:—*(Continued)*
Railway Employees Seek Wage Increase; 40-Hour Week, 188; Conciliation Board Report Rejected, 805, 847; Settlement May Lead to Further Rate Increase, Say Railways, 890; Strike Vote Taken, 1202
Railway Mileage Abandoned in 1949, 103
Railway Mileage Built in 1949, 91*
Railway Prospects Outlined by Lionel Chevier, 622
Railways Seek Return of Box Cars from U. S., 711
Rate Cases, Review of, 40
Rate Increases Granted, 191, 333, 451, 526, 565, 661, 1057, 1147, 1202
Royal Commission on Transportation (See Royal Commission on Transportation)
Canadian General Electric Company: Diesel Locomotive Plant Expansion, 192*
Canadian National:
Cars, Duplex Roomette, 447*
Cars, Four Medical, in Service on, 1129*
Cars, Refrigerator, Developments in, 1168*
Exhibit Dedicated at New York Society of Model Engineers, 415
Improvement Program, 663
Locomotive, Diesel, ("Big Bertha") Travels 31,000 Miles in Seven Weeks, 803*
Montreal-Toronto L. C. L. Service, 396*
Recapitalization Might Hurt C. P. R., 928
Record Deficit Seen if Wages are Increased, 711
Revision of Financial Set-Up Asked, 621, 622
Winnipeg Flood, 931, 1149*
Year 1949, 42*
Canadian Pacific:
Aluminum Box Car for Roberval & Saguenay, 308*
Annual Report, 668
B. of R. T. Helps Cut Rough Handling, 1075
Calgary-Edmonton Passenger Service Expanded, 849
C. N. R. Recapitalization Might Hurt, 928
Car Record and Tracing System, New, 311*
Cars, Reconditioned Dining, 884*
Cars, Refrigerator, Developments in, 1168*
Census Enumerator Uses Track Motor Car to Reach Squaw Brook, Me., 1229*
Centennial of St. Lawrence & Industry Village, 1012
Damage Caused by Red River of the North Flood, 1096*
Improvement Program Planned, 627
Locomotives, Two 1500-Hp. Diesel Road-Switching, Delivered to, 799*
Montreal-Toronto L. C. L. Service, 396*
Rate Increase Case, 333
Year 1949, 43*
Canadian Railway Club: "Eight Wheels and a Box", 505*
Canadian Trade Fair to be Held at Toronto, 366
Capital: (See also Financing; Investment in Railroads)
Badly Needed New Device—A Low-Earnings Alarm, 125†
"Credit Crisis", F. R. Dick Prescribes for, 1093
"New Capital" Need Dominates Railroad Finance, 64*, 408‡
Rail Enterprise Lags—Public Policies Held Cause, 1013
Report of I. B. A. Railroad Securities Committee, 169
Why Railroads Are Shy Funds for Improvements, 681*†
Capital Expenditures:
Comparison of Expenditures for Fixed Properties and Equipment, 5*
Equipment, from 1923 to 1949, Analysis of, 6*, 9
Estimates for Fixed Plant and Equipment Made by F. R. Dick, 1093
Estimates for 1950, 559, 1257
Fixed Properties Estimates for Next Ten Years, 11; for 1950, 474*
How Property Improvements Reduce Costs, 8*
Huge Capital Outlays Portend Large Economies, 4*, 275 (Correction)
Monthly: October, 330; November, 450; December, 708; January, 932; February, 1151
Years 1930-1949, 57, 885
Capital, Problem, The, 2†
Capitalization and Property Investment, 1927-48, 65
Capitalization in 1920 and 1948, I. C. C. Report on, 182
Car Dumper for Handling Pulpwood Cars, 866*
Car Dumpers at Newport News, Va.; C. & O., 383*
Car Ferry to be Ordered by C. & O., 627, 710*
Car Hire Pact Conditionally Approved by I. C. C., 526, 563
Car Icers, Link-Belt Rico, 732*
Car Inspection Pits, A. R. E. A. Report on, 551*
Car Record and Tracing System; C. P. R., 311*
Car Records System Mechanized by N. Y. N. H. & H., 356*
Car Repairs (See Maintenance of Equipment)
Car Retarder Control Machine, 491*
Car Retarder Control System in I. C. Markham Yard, 1181*
Car Retarder Projects Placed in Service in 1949, 87
Car Retarder Yards, Automatic Switching for, 490*
Car Ride Correlated with Instrument Readings on L. & N., 931
Car Service Rules of Short Line Roads, Proposed Revision of, 928
Car Shaker, Ross & White Portable Crane for, 503*
Car Spotting Service Orders of I. C. C. Involving American Smelting & Refining Company and U. S. Smelting, Refining & Mining Company Upheld by Supreme Court, 710
Car Spotting Service Tariff, I. C. C. Investigation of Railroad Application of, 1057, 1277
Car Spotting Service Under Line-Haul Rates, A. E. Staley Manufacturing Company Qualifies for, 412
Car Supply:
Freight:
Canadian Roads Seek Return of Box Cars from U. S., 711
Car Service Division Orders to Expedite Return of Western-Owned Box Cars, 806, 850, 1099, 1153, 1265
Car Service Division Reports, 236, 658, 1099
Estimate of Expenditures Needed Made by F. R. Dick, 1093
Estimate of Number Needed; Col. J. M. Johnson on, 449, 1051; Endorsed by Steel Workers Union, 1145
Estimate of Orders to be Placed in 1950, 27, 157
Installations: Twelve Months, 197; January, 417; Two Months, 627; Three Months, 850; Five Months, 1264
I. C. C. to Get Reports on Bad-Order Cars, 807
N. I. T. League and Car Service Division Study 1273
On Order: January 1, 197; February 1, 417; March 1, 627; April 1, 850; June 1, 1264
Orders (A. R. C. I.): December, 157; January, 324; February, 517; March, 757; April, 934; May, 1209
Orders (*Railway Age*): Monthly, January, 284; February, 454; March, 663; April, 891; May, 1105
Orders (*Railway Age*) Year to Date: March, 616; April, 792; May 1, 970
Orders and Production in 1949, 77
Outlook for 1950, 26*, 236
Ownership and Installations, 1943-1949, 58
Production: Monthly: December, 157; January, 324; February, 517, March, 757; April, 934; May, 1209
Review of 1949, 26*
Testimony Presented at Senate Subcommittee Hearing on Domestic Land and Water Transportation, 1051, 1145
Passenger:
Estimate of Orders to be Placed in 1950, 157
Orders and Production in 1949, 76
Orders (*Railway Age*): February, 454; March, 663; May, 1105
Car Trucks (See Trucks, Car)
Carclad Freight Car Finish, Sherwin-Williams, 838*
Card File, Wheeldex Telephone-Base, 1125*
Carnegie Medal Awarded to E. R. Irish, 275
Carrier Agreements: (See Interstate Commerce Act: Section 5a)
Carrier Associations, I. C. C. Calls for Reports from, 239, 619
Cars, Freight:
Box:
All-Purpose; Gen. W. J. Williamson on, 953
Aluminum; Roberval & Saguenay, 308*
D-F Loaders, Number Equipped with, 779
Evolution of the Present-Day, 505*
General American-Evans to Build and Lease, 566, 658*, 773†, 777*; Description, 914*; "Unveiling", 1055, 1200*
Nailable Steel Floors for, 702*
Plastic Flooring Used on W. P., 1180*
Research on; A. N. Campbell on, 505*
"Device", Sharing the Cost of, 772†
Design and Maintenance, Progress in, 967*
Equitable Life Assurance Society to Buy and Lease, 657, 712, 767, 772†, 891, 1019, 1060, 1104
Expenditures from 1923 to 1949 Analyzed, 6*, 9
Factors, New, in the Outlook for, 637†
Flat:
For Handling Auto-Bodies, 672*, 968*, 971*
For Shipping Gypsum Board, 1173*
Gondola, for Handling Auto Bodies in Australia, 512*
Modern, Savings from, 1056
Orders and Production in 1949, 77
Pressed Steel Car Company Designs Two New Types, 659
Prices, 381†
Prices in 1949, 80
Pulpwood; B. & A., 866*
Refrigerator:
Canadian Railways, Developments on the, 1168*
Modern Cars Do a Good Job, 1067†
P. F. E. Speeds De-Icing with Hot Water, 266*
Protective Service for Perishables Against Cold in the East; I. C. C. Postpones Date of Order, 321
Status of Technical Development of, 313
Repair, Rebuild or Buy New?; W. Wyer on, 221*, 256*, 381†
Special Types, Competition Complicates, 950†
Cars, Passenger: (See also Trains)
Budd Diesel Mail-Baggage Car (RDC-4), 1209
Budd Diesel Rail Car Tested, 156, 365, 414, 453*, 676, 754*, 845
Budd Diesel Rail Cars in Service on B. & A., 285, 847, 1147
C. N. R. Duplex Roomette, 447*
C. P. R Reconditioned Dining, 884*
C. & E. I. Historic Coach Given to Museum, 1161
C. & N. W.-U. P. Order Nearing Completion at A. C. F. Plant, 318*
C. N. S. & M. Cars Modernized, 1054*
Expenditures from 1923 to 1949 Analyzed, 7*, 9
Great Britain, Double-Deck Coaches in, 227*
H. & M. to Modernize, 237*
Multiple-Unit (See Trains)
N. Y. C. Commuter, 1150*
N. Y. C. & St. L. Bedroom-Diner-Lounge, 1144*
N. Y. C. & St. L. Sleepers Have New Features, 360*
N. P. Gas-Electric Motor Car Dieselized, 1041*
Orders and Production in 1949, 76
Cars, Passenger:—*(Continued)*
P. R. R. Rooms for Overnight Travel Top 3200, 579
Pictorial Review of 1949's New Cars, 16*
Prices in 1949, 79
Pullman Modernization Program; "Elm", "Oak", "Ash" and "Locust" Series, 1090*
Radiant Heating for; M. L. Ghai on, 402*
Roomette Bed, New Type of, 1092*
Roomette, Traveling in a, 173
Sleeping, Aluminum, for U. P., C. & N. W., and Wabash, 534*
Sleeping, New, on Trains Serving the South, 849
Cars, Special:
C. N. R. Medical, 1129*
Fairmont Ballast Maintenance, 496*
Fairmont Extinguisher, 502*
Fairmont Hy-Rail Motor, 494*
G. E. Charging Plant, 365
St. L.-S. F. Instruction, 340*
Sperry, for Ultrasonic Rail Inspection, 441*, 480*
Westinghouse Rectifier, 270*
Cartoons:
Miscellaneous, 321*, 1045*, 1134*, 1142*
S. P. Bites Back at the Competition, 347*, 445*
Caterpillar Tractor Company:
Diesel Engine Substituted in N. P. Gas-Electric Motor Car, 1041*
To Build Plant Near Joliet, Ill., 455
Cattle Tour Staged in Florida by S. A. L., 415
Centennial of First Train Noted by Rutland, 152
Centennial of the Indianapolis Union, 662*
Centennial of the L. & N., 343*, 625*, 1261*
Centennial of the St. Lawrence & Industry Village, 1012
Central of Georgia:
Callaway, M. P., Elected President, 909*
N. S. C. Contest Winner, 1097
Seeks Control of Savannah & Atlanta, 519, 851, 1211
Wise, Marion J., Death of, 844, 870*
Central Railroad of New Jersey:
Commutation Fare Reduction Recommendation Rejected by I. C. C., 513
Derailment Attempts, Precautionary Measures Taken Against, 452
Lighterage Fees at New York, I. C. C. Reverses Decision on, 188
Reorganization Expenses, 1105
Supreme Court Dismisses Appeal on New Jersey Tax Levy, 320
Central Railway Club of Buffalo: F. N. Nye on Free Enterprise, 153
Central Vermont: N. S. C. Contest Winner, 1097
Centralized Traffic Control:
C. & N. W.; West Chicago, Ill.-Nelson, 692*
Clinchfield; Erwin, Tenn.-Delano, Va., 298*
Installations in 1949, 87
Chain Saws, Homelite Gasoline-Powered, 500*
Chamber of Commerce of the United States:
National Transportation Conference Held, 193, 316
Testimony Before Senate Committee Investigating Domestic Land and Water Transportation, 925
Transportation Editors Hold Panel Discussion at Annual Meeting, 709, 887, 926*
Chemox Breathing Apparatus, 701*
Cherry Serrated Shank Rivets, 595*
Chesapeake & Ohio:
B.of L. F. & E. Strike Affects, 922
Car Ferry to be Ordered, 627, 710*
Carnegie Medal Awarded to E. R. Irish, 275
Coal Pier at Newport News, Va., 382*
Dining Cars Cut Off to Save Coal, 190
Locomotives, 30, Sold to N. & W., 566, 661
Russell Yard Enlarged, 904*
Tipping Reinstated by, 1100
"Train X" Development Carried on with Pullman-Standard, 661
"Valley Queen" Name of Detroit-Saginaw Train, 239
Young, R. R., Studies Mexican Railway System, 278, 562*; Offers to Sell Open-Section Sleepers to Mexican Government, 562*
Chicago:
First Rail Line to Drop Passenger Service, 624
Modernization and Extension of Existing Terminal Facilities Proposed by Railroads, 301*
Site for South-Side Union Station Approved by City Planning Advisory Board, 315
Chicago & Eastern Illinois:
Automatic Train Control to be Modernized, 321
Awards for Freight Salesmen, 618*
Budd Diesel Rail Car in Trial Service, 414
Car, Historic, Given to Museum of Transport, 1161
Cars, New Sleeping, on "Dixie Flagler", 849
Danville Railroad Diesel Club Organized, 566, 652*
Employees to Win Bonds in Safety Contest, 633
Map Digest of Rate Increases Issued, 769
O'Neal, C. T., Death of, 814
Railroad Suppliers Launch "Grass Roots" Attack on Socialism, 277
Shipping Problems Discussed with Southern California Industries, 798*
Washington, D. C. Office to be Opened, 768
Chicago & Illinois Midland: Emergency Board Report on Labor Dispute, 889, 1057
Chicago & North Western:
Budd Diesel Rail Car Tests, 365; Cars Ordered, 417, 518
Cars, Aluminum Sleeping, 534*
C. T. C. Installation; West Chicago, Ill.-Nelson, 692*
Chicago Seeks to Limit Train Speed, 1261
"City of San Francisco" Derailment, I. C. C. Report on, 241
Commutation Fare Increase Sought, 240, 275, 320
"Dakota 400", 768
"Flambeau 400" to be Placed in Daily Service, 900
Galena & Chicago Union Branch to Drop Passenger Service, 624

GENERAL INDEX—Continued

[*Illustrated articles are indicated thus**; *Editorials thus†*; *Letters to Editor thus‡*]

Chicago & North Western:—*(Continued)*
Locomotives, Diesel, Held to be a Primary Factor in Improved Financial Position, 1098
Oil Well, to get Royalty and Traffic from, 1148
Passenger Car Construction Nearing Completion at A. C. F. Plant, 318*
Relief from High-Speed Signaling Order Denied by I. C. C., 1148
Testing of Materials; R. E. Coughlan on, 586*
Chicago & Western Indiana Completely Dieselized, 624
Chicago Board of Trade to Intervene in Government Wartime Rate Reparations Cases, 414
Chicago, Burlington & Quincy:
Burlington-Rock Island to be Operated as a Joint Division with C. R. I. & P., 1100
Improvement Program, 324
Passenger Service Nearly 100 Per Cent Dieselized, 415
Snow Plow, Bros Rotary, of Unique Design, 688*
Snow Plow, First Electric, 138*
Soil Pressure in Roadbed, A. R. E. A. Report on, 551
Chicago Great Western:
Locomotives, Diesel, Held to be a Primary Factor in Improved Financial Position, 1098
Switchmen to Strike Against, 1258
Chicago, Indianapolis & Louisville:
Bridge Near Delphi, Ind., Renewed, 262*
Budd Rail Car to be Tested on, 676, 754*
Modernization Program, A. R. E. A. Report on, 555
Chicago, Milwaukee, St. Paul & Pacific:
Accident Near Fredonia, Wis., I. C. C. Report on, 321, 1162
Advertising Stresses Streamlined Trains vs. Nervous Strain of Automobile Driving, 414*
Buford, C. H., to Resign as President, 1202
Conveyor System at Galewood Freight House, 1175*
"Diary" Tells Story of Progress, 415
Fined for Elkins Act Violation, 1010
Locomotive, Diesel, Runs Wild, 187
"Olympian Hiawatha" Backs Down Grade without Crew, 275
"Pantry Prowlers" Invited to "Pioneer Limited's" Diner, 1145
Chicago, North Shore & Milwaukee:
Improvement Program Recommended, 527
"Silverliner" Placed in Service, 1054*, 1142*
Chicago Pneumatic Tool Company: New and Improved Models of Pneumatic Tools, 500*
Chicago Railroad Diesel Club: Officers Elected, 1207
Chicago Railway Equipment Company: Annual Report, 625
Chicago, Rock Island & Pacific:
Burlington-Rock Island to be Operated as a Joint Division with C. B. & Q., 1100
"Golden State" Schedule Improved, 931
"Imperial" Derailment Near Meade, Kan., I. C. C. Report on, 317
Relief from High Speed Signaling Order Denied by I. C. C., 929
"Rock Island Trail" Portrays Building of, 845*, 1153*
Station at Duncan, Okla., 108*
Switchmen to Strike Against, 1258
Yard, New, at Silvis, Ill., 228*
Chicago, St. Paul, Minneapolis & Omaha: Fined for Elkins Act Violation, 1010
Chicago, South Shore & South Bend: Rail Welding Operations Viewed by A. R. E. A. Men, 753*
Chicago "Tribune":
"Arrogant" Truckers Flout Weight Limits, 185
"East Chicago 'Racket' ", 424
Chipping Hammers, Ingersoll-Rand Controlled Power, 486*
Chromokit for Testing Diesel Water, 498*
Citrus Canning Industry By-Products Produce New Traffic for the A. C. L., 784*
Citrus Fruit Rates, Lower, Need for, 239
Civil Aeronautics Administration:
Appropriation for 1950-51, 147, 149
Review of Air Lines' Operations in 1949, 105
Civil Aeronautics Board: New Regulations Governing Irregular Air Carriers Proposed, 1204
Claim Prevention Program, Five-Year, Proposed, 578
Claims: (See also Loss and Damage)
A. A. R. Freight Claim Division Report on, 918*
How Freight Stations Can Aid in Reducing, 1073*
Loss and Damage; First Six Months of 1949, 276
Payments, Effect of Price Increases Since 1939 on, 1011
Payments; First Ten Months of 1949, 191; Year 1949, 243, 918, 1258
Reduction in 1949, 31
Supreme Court Holds Six-Year Limitation Applies in Claims Cases Against the Government, 929
Clark Fork Truck with Dynatork Drive, 1123*
Class Rate Case. I. C. C. Allows More Time for Presentations on New Rate Scale, 453, 660
Claw Bar, Reade Safety, 483*
Clean Car Posters, 194*, 545*
Cleaning and Coating Equipment for Processing Air Filters from Air-Conditioned Coaches, 594*
Clearance Requirements of Various States and Canada, List of, 550
Clearances, A. R. E. A. Report on, 550
Cleveland, Ohio, Chamber of Commerce Issues Booklet on Transport Policy, 1012
Clinchfield: C. T. C. Installation; Erwin, Tenn.-Delano, Va., 298*
Coal:
Coal by Rail Committee Seeks to Stimulate Use of, 1260*
Consumption Displaced by Use of Diesels, 560
Consumption, 1945-49, 1247
Costs Compared with Diesel Fuel Costs, 25
Loadings, Status of, 658
Roads Getting Locomotive Fuel Under I. C. C. Service Order, 110, 454, 568
Tidewater Demurrage at Ports, I C. C. Recommends Approval of Procedures Agreement on, 1058
Traffic, Decline in, 1095, 1277
Coal-Burning Gas Turbine, Experimental, Progress Report on the, 745*
Coal-Burning Locomotive Mileage Cut Because of Coal Shortage, 155, 190, 278, 313, 358, 413, 448, 510, 568, 580
Coal by Rail Committee Seeks to Stimulate Use of Coal as a Fuel, 1260*
Coal Exhibit of B. & O. Supplies "Sales Ammunition" to Dealers, 411, 449*
Coal Pier at Newport News, Va.; C. & O., 382*
Coal Rates:
Anthracite Rates to New England; Fourth Section Relief Vacated by I. C. C., 849
I. C. C. Investigations of Rates in Illinois, 769, 1017
Coal Strike, Effect on the Railroads of the, 110, 155, 190, 278, 313, 358, 413, 510 (Strike Ended), 568, 580
Coatings for Rails, Rinshed-Mason, 502*
Collective Bargaining, Unions Claim Railroads are 30 Years Behind in, 621
College Men on the Railroads:
A. R. E. A. Report on Cooperative Relations with Universities, 550
B. & O. Technical Graduate Training Course, 1274
Railway Engineers—Where From in the Future?, 469†
Transportation Courses at M. I. T., 267‡
University of Tennessee Offers Full Course in Railroading, 317*
Collisions (See Accidents)
Colonial & Pacific Frigidways, Inc.: I. C. C. to Limit Hearings on Application, 751
Colonna, Angelo, to Study Railroad Kitchen Equipment in Europe, 890
Color Dynamics Scheme Used in A. & St. A. B. Shop, 136
Colorado & Wyoming: N. S. C. Contest Winner, 1097
Commission on Organization of the Executive Branch of the Government (See Hoover Commission)
Committee on Railway Mail Transportation: Explanation of How Railroads Are Paid for Handling Mail, 1146
Commodities Clause Legislation, I. C. C. Views on, 926
Communications:
Bill to Give I. C. C. Power Over, 53, 282
Construction in 1949, 81
Developments in 1949, 36*
Western Pacific New Facilities Expedite, 654*
Commutation Fares (See Passenger Fares)
Commutation Service (See Passenger Service: Suburban Service)
Competition: (See also Rates: Truck-Competitive; Water-Competitive)
B. & A. Set to Beat, 392*, 399*
Competitive Situation Reviewed by J. H. Parmelee, 55
Freight Car Supply Complicated by, 950†
How One State Agency Helps the Railroads' Competitors, 306*
Meyer, C. W., on, 312
Motor Truck; H. L. Baldwin on, 584; A. H. Phelps on, 596*, 705, 1275
Motor Truck, Waterway and Pipe Line, in 1949, 959*
National Rivers and Harbors Congress Seeks to Curb Railroad Efforts to Meet Water Competition, 703
Open Letter on Freight Rates, 741
Railroads' Truck-Competitive Situation, 214*, 447
S. P. Bites Back at the, 347*, 445*
Superintendents' Report on What Can Be Done to Meet, 1193
Today's Transport Can Be Regulated by, 726
Concession Revenues, Finding Money in, 910*
Concession: Soda-Luncheonette in N. Y. N. H. & H. Station, 1056*
Concrete, Getting Durable, 558
Conductors' Service Conferences, Pullman, 428*
Conemaugh & Black Lick Strike Called Off, 275, 315
Congressional Joint Committee on the Economic Report: Report on Highways and the Nation's Economy, 280
Consolidated Freight Classification: I. C. C. Hearings on Rule 34 Postponed, 899, 1096
Consolidated Statistical Statements for 1950 Required by I. C. C., 844
Consolidations:
Drysdale, R. M., Jr., on 886
Supreme Court Holds 4 Years to be Minimum for Job Protection Conditions in Consolidation Cases, 657
Construction Materials. P. & S. Div. Report on, 1251*
Construction, New: (See also Railway Construction at End of Index)
Akron Union Station, 1130*
A. A. R. Research Laboratory at Chicago, 470*, 1082*
Atlanta & St. Andrews Bay Terminal Improvements at Panama City, 134*
B. & O. Bridge Replacement and Line Change Near Riverdale, Ind., 1030*
C. & O. Coal Pier at Newport News, Va., 382*
C. & O. Yard at Russell, Ky., Enlarged, 904*
Construction, New:—*(Continued)*
C. I. & L. Bridge Near Delphi, Ind., Renewed, 262*
C. R. I. & P. Hump-Retarder Yard at Silvis, Ill., 228*
M. P. Tip Top Hill Line-Change Project, 170*
Programs Planned for 1950, 474*
S. P. Taylor Yard Modernized, 1036*
Southern Railway Tombigee River Bridge, 624*, 826*, 1028†
T. & P. Station Modernization Program, 1234*
Trends in Freighthouse Design, 1066†, 1076*
Year 1949, 90*
Container Testing Laboratory, A. A. R., Functions of the, 473
Containers:
Aluminum-Covered Plywood, on P. R. R., 389*
Use of Increasing, 21*
Youngstown Drop-Bottom Controlled-Discharge, 701*
Contract Forms, A. R. E. A. Report on, 546
Controlled Power Chipping Hammers, 486*
Conveyors:
Built, at C. & O. Coal Pier, 382*
Mast, Telescopic, for Converting Platform Trucks for Use with Overhead Tow System, 1178*
Overhead, at Galewood Freighthouse; C. M. St. P. & P., 1175*
Overhead, at Gardner Freighthouse; B. & M., 401*
Power, at R. E. A. Atlanta Terminal, 780*
Cooperation Between Shippers and Railroads; C. H. Beard on, 562; E. B. Smith on, 617; E. C. Johnson on, 618
Cooperation with Management Suspended by R. L. E. A., 1261
Cooperative Relations with Universities, A. R. E. A. Report on, 550
Coordinated Mechanical Associations: Meeting Dates, 808
Coordinated Rail-Highway Service:
P. R. R. "Keystone" L. C. L. Service, 387*, 563, 1202*
Swedish State Railways Use Trailer for Hauling Loaded or Unloaded Freight Cars, 362*
U. P. Extends Mail-Express Service, 413
Coordination and Intregration of Transportation, I. C. C. History of, 1148
Coordination of Rail, Bus and Truck Service Planned in France, 323
Coordination of Transportation Asked by Clark Hungerford, 1161
Corrosion-Resistant Coatings for Rails, 502*
Corrosion-Resistant Freight Car Finish, 838*
Cost Controls, Adequate, Need for; A. E. Perlman on, 140*
Cost of Railway Transportation and Operation, A. R. E. A. Report on, 555
Costs:
Coal and Diesel Fuel During Last Ten Years, 25
Comparison of Steam and Diesel Locomotive Operating Costs; State Belt Railway of California, 831*
Comparison of Steam, Diesel Locomotive and Motor Train Operation in a Suburban System, 786*
Grade Crossing Public Improvement Projects; Allocation of Costs, 548
Mississippi River Channels, 227
Radio Operation in Yard and Main-Line Service, 36
Slash Yard-Cleaning Costs, 255†
Coupler, Motor-Car, Rydin Automatic, 493*
Court Actions Involving Railroads, Status of, 54
Court Decisions (See Legal Decisions; also United States Supreme Court)
Courteous Service, Rail and Labor Executives Call for, 453
Coverdale & Colpitts Seventh Report on Streamliners, 433*
Cranes:
American Hoist & Derrick Locomotive, 268*
Barco Diesel Fueling, 484*
Bay City CraneMobile and CraneWagon, 489*
Burro Improved, 496*
Industrial Brownhoist Locomotive, for Maintenance of Way Work, 269*, 499*
Lima Mobile, 498*
Link-Belt Truck-Mounted Shovel-, 499*
Ross & White Portable, for Car Shaker, 503*
Thew Lorain TL-25 Shovel-, 500*
Unit 1020R Light Crawler, 481*
Credit Card Plan, Status of, 29
Credit Cards—A Shipper's Experience, 408‡
"Credit Crisis", F. R. Dick Prescribes for, 1093
Credit Rules of Water Carriers Adjusted to 5-Day Week by I. C. C., 331
Criticism on Inspection Trips Can be Costly, 903†
Crossings, Highway Grade:
Accidents (See Accidents)
Allocation of Costs of Public Improvements, 548
A. R. E. A. Report on, 548
A. C. L. Safety Program, 1013
Protection:
A. R. E. A. Report on, 548
Installations in 1949, 88
West Virginia Requires Crossing Signs to be Reflectorized, 1101
Crossties (See Ties)
Cudahy Packing Company General Offices Moved to Omaha, 622
Cullen-Friestedt Burro Crane Improved, 496*
Current Publications, 209, 251, 293, 377, 423, 727, 770, 815, 945, 1063, 1111, 1164, 1217
Curtis Publishing Company: Vacation Travel Survey, 1203

D

nger in Too Much Emphasis of Railroads' Handicaps, Is There, 531†
arfile Railroad Diesel Club of the C. & E. I., 566, 652*
earborn Test Kit for Diesel Water, 498*
bt Adjustment Plans:
Banzor & Aroostook, 810
Boston & Maine, 810
Maine Central Plan Disapproved by I. C. C., 418
Missouri-Kansas-Texas Plan Disapproved by I. C. C., 286, 1210
Montana, Wyoming & Southern, 246
eleing of Refrigerator Cars, Hot Water Used for, 266*
elaware & Hudson to Lease Freight Cars Under Equitable Life Assurance Society Financing Plan, 891
elaware, Lackawanna & Western:
Commutation Fare Increase Granted by I. C. C., 513
Derailment Attempts, Precautionary Measures Taken Against, 452
Forty Hour Week for Switchmen Agreed to, 708
Freight Handling Devices, Specialized, Use of, 606*
Passenger Fares, Suburban Round-Trip, Cut, 1161
Second Morning New York-Chicago L. C. L. Service, 751
Supreme Court Dismisses Appeal on New Jersey Tax Levy, 320
Supreme Court Rules That State Courts Cannot Interpret Labor Agreements, 1015
elta Nu Alpha: Railroad and Traffic Men Speak at Chapter Meetings, 580
emurrage at Ports on Tidewater Coal, I. C. C. Recommends Approval of Procedures Agreement for, 1058
emurrage Pact Conditionally Approved by I. C. C., 526, 563
enver & Rio Grande Western:
Emergency Board Report on B. of R. T. Dispute, 321, 510
N. R. A. B. Award to Switchman Lacks "Semblance of Merit", Dissent Says, 1150
Radio Averts Train Crash with Truck, 276
Railroad Executives Attend Luncheon for Wilson McCarthy and F. C. Hogue, 241*
Seeks to Make U. P. Open Ogden Gateway, 316, 676
Switchmen to Strike Against, 1258
"Ticket to Tomahawk" Filmed on, 567*
erailment Attempts, Four New York Railroads Take Precautionary Measures Against, 452
erailments (See Accidents)
eregulation:
Crowley, Leo T., on, 724
Need for, 167†, 184
Page, A. W., on, 1056
Roddewig, C. M., on, 726
Sentiment for, 2†
errick, Industrial Brownhoist Diesel-Powered, 273*
es Moines & Central Iowa: Reorganization Expenses, 519
etroit & Mackinac-Grand Trunk Western Detroit-Alpena Train Established, 315*
etroit, Toledo & Ironton: Acquisition by P. R. R. and Wabash Approved by I. C. C., 894, 1155
ick, Fairman R.: Testimony Before Senate Subcommittee Holding Hearings on Domestic Land and Water Transportation, 1093
ietating Machine, Folco, 1124*
ietex, Folco, 1124*
iesel Club Organized on C. & E. I., 566, 652*
iesel Cooling Systems, Water Conditioning for, 546
iesel Cooling Water, Dearborn Test Kit for, 498*
iesel Engine Substituted in Gas-Electric Motor Car by N. P., 1041
iesel Fuel:
Consumption, 1945-49, 1246
Costs, Compared with Coal Costs, 25
iesel Fueling Crane, Barco, 484*
iesel Lubricating Oil, Reclamation of, P. & S. Div. Report on, 1249
iesel Multiple-Unit Trains, Economics of, 786*
iesel Pile Hammer, Syntron, 485*
iesel-Powered Mechanical Refrigeration, 1172
iesel Rail Cars, Budd (See Budd Company)
iesel Snow Plows; C. B. & Q., 138*; Bros, 688*
iesElectric Locomotive Crane, American Hoist & Derrick, 268
ieselized Railroads and Divisions, 134, 152, 189, 415, 566, 624, 691‡ (First Complete Class I Dieselization), 711*, 1095*, 1100
ining Car Kitchens, European, Angelo Colonna to Study, 890
ining Car Service:
L. V. Cuts Breakfast Losses, 1241*
P. R. R. One-Entree Meals Popular, 278, 725
Race Discrimination Banned in, 1143
ining Cars Cut Off by C. & O. to Save Coal, 190
ining, Off-Train, to be Revived by A. T. & S. F., 463
ividend Changes and Payments in 1949, 70
odge Power Wagon with Monroe Hydraulic Lift, 483*
ominion Engineering Works: Diesel Locomotive Plant Expansion, 192*
onnell Anti-Strike Bill (See Railway Labor Act: Bill to Make Strikes Unlawful)
oor with Air-Filter Panels, Kinnear, 186*, 502*
oors, Pitteomatic Unit for Opening and Closing, 1126*
raft Gear Research; A. N. Campbell on, 507
rills, Improved Pneumatic; Chicago Pneumatic Tool Company, 500*
uff-Northern Aluminum Track Jack, 498*
Dump It" Truck-Body Hoist, Gar Wood, 838*
uplicating Process, New, Saves Money for Pullman, 1120*
uryea, O. C., Corporation Merged with Hulson Company, 808
ynatork Drive on Clark Ford Truck, 1123*

E

Earnings:
Effect of Traffic Decline of 15 or 20 Percent on, 801
Government Responsiblity for Low Earnings of Railroad Industry, 167†
Inadequate; W. T. Faricy on, 1052; F. R. Dick on, 1093
Railroads, Electric Utilities and Manufacturing in Per Cent of Net Assets, 1926-1949, 681*†
Why Some Railroads Have Been Doing Well in a Generally Unfavorable Environment, 862*
Earth Materials, Physical Properties of, A. R. E. A. Report on, 551
Earth Mover; Warner & Swasey Gradall, 499*
Eastern Car Foreman's Association: Officers, 194
Eastern Claim Conference:
Officers, 194
New York Terminal Committee: Educational Meeting on Damage to Porcelain Enameled Ware, 348*
Eastern Railroads Cut Rates to Regain Iron and Steel Traffic, 450, 566, 708, 798, 848
Eastern Railroads' L. C. L. Rate Case, 362, 579, 888, 1097 (Compromise Adjustment Proposed), 1277
Eastern Railroads' Rate Procedures Agreement Approved by I. C. C., 618
Eclipse Extension Spray Gun, 482*
Eclipse Time Stamp, 595*
Economic Cooperation Administration:
British Teams to Study U. S. Diesel Locomotive Manufacture, 106; Freight Handling Methods, 1097
Report on Railroads in Western Europe, 1207
Economics of Diesel-Electric Multiple-Unit Trains, 786*
Economics of Railway Labor, A. R. E. A. Report on, 547*
Economics of Railway Location and Operation, A. R. E. A. Report on, 555
Edison Electric Institute to Administer Research Program to Extend Railroad Electrification, 526, 819†
Electric Tamper & Equipment Company:
Improved Tamper Blade, 490*
Jackson Multiple Tamper Improved, 495*
Electric Transmission for Locomotives, Advantages and Economies of, 647*
Electrical Developments in 1949, 32*
Electrification:
British Railways Continue, 132*
Railway D. C. Motive Power from A. C. Trolleys, 270*
Research Program to Extend, 526, 819†
Will Straight Electrification Come Back?, 819†
Elgin, Joliet & Eastern:
Employees to Win Cars in Safety Contest, 633
Supreme Court Ruling in Car Coupling Accident Case, 107
Track Cleaning Machine Developed, 486*, 684*
Elkins Act Violations, Roads Fined for, 364, 1010
Emery Transportation Company: Conversion of Operations Into Common Carrier Services Held Unlawful by I. C. C., 565
Employee Magazine, New, on British Railways, 1207
Employee-Representation Election, 804
Employee Suggestion Systems:
Illinois Central; Report on, 127†, 154
Super Suggestion System?, 127†
Employees: (See also Industrial Relations; also Names of Unions)
Forty-Hour Week (See Forty-Hour Week)
Furloughs Due to Coal Strike, 359
I. C. Honors 50-Year Veterans, 1206
Job Protection Conditions in Consolidation Cases, Supreme Court Ruling on, 657
Life-Expectancy; Railroad Retirement Board Study, 726
Number of:
Living in Labor Camps, 546
Monthly: December, 192; January, 364; February, 578; March, 929; April, 1149; May, 1204
Year 1949, 49
Railroad Productivity in 1948; Department of Labor Report on, 279
Strikes (See Strikes)
Training of (See Training of Employees)
Wage Cases (See Names of Unions)
Wages:
Canadian Railwaymen Seek Increase, 188, 805, 847, 890, 1202
Canadian Shippers Attack Wage Levels, 332
Chronology of Year 1949, 14
Comparison of Rates with Other Industries, 185
Compensation, 1940-49, 49
Compensation Per Employee, 1940-49, 49
Compensation Per Hour, 1940-49, 49
Percent of Operating Revenues Absorbed by, 798
Red Cap 25-Cent Service Charge Approved by I. C. C., 706
Time Lag Between Granting of Wage and Rate Increases, 706, 724
Ton-Mile Output Per Dollar of, 1047
Working Rules Changes; Chronology of Year 1949, 14, 49
Working Rule Changes (See also Make-Work Rules)
Employment: Job Guarantees Sought by B. of M. W. E., 1097
Empty Car Mileage, I. C. C. Study of, 319
Engineering (Railroad) Courses Offered at M. I. T., 267‡
Engineers, Railway—Where From in the Future?, 469†
Equipment Expenditures from 1923 to 1949 Analyzed, 6*, 9
Equipment Prices in 1949, 79
Equipment Trust Issues Sold in 1949, 66
Equitable Life Assurance Society to Buy and Lease Freight Cars, 657, 712, 767, 772†, 891, 1019, 1060, 1104; Plan Extended to Include Diesel Locomotives, 1104
Erie:
Citation for Savings Bond Purchases, 890*
Commutation Fare Increase Granted by I. C. C., 513
Exhibit at "Perfect Shipping Clinic", 924*
One-Cent Return Fare Increases Traffic, 928
Second Morning New York-Chicago L. C. L. Service, 751
Station at Hawthorne, N. J., 242*
Trains Moved by Radio in Emergency, 239
Ernst & Ernst: Report on Separation of Air Mail Payments from Subsidy Payments, 359
Escalators in Passenger Stations, 550
Essay Contest, Roy V. Wright, 239, 1274
Evans Products Company: Number of Cars Equipped with D-F Loaders, 779*
Evans Products Company: (See also General American-Evans Company)
Exhibits:
B. & O. Coal Exhibit, 411, 449*
Bridge & Building Supply Men's and Track Supply Associations Joint Exhibit, 276
C. N. R., at New York Society of Model Engineers, 415
G. E. "More Power to America Special", 316, 622*, 832*
N. R. A. A., T. S. A. and B. & B. S. M. A., Agreement on, 190
Explosion at South Amboy, N. J., Causes Damage to P. R. R., 1098
Express Handled on Power Conveyor at Atlanta, 780*
Express Handling, U. P. Extends Coordinated Rail-Highway Service for, 413
Express Rates:
Alabama Intrastate Adjustment Ordered by I. C. C., 1017
Changes in 1949, 51
I. C. C. Denies Postmaster General Reconsideration of Finding of No Rail "Rates" on Express, 366
R. E. A. Granted 10 Per Cent Increase, 151, 276, 560
Express Service from New York to Mid-, Southwest Speeded up by R. E. A., 1148

F

Fairbanks, Morse & Co.:
Annual Report, 516
"Consolidation Line" Diesel Locomotives, 820*
Enters Canadian Diesel Locomotive Feld, 1019, 1208
Improved Program, 194
Land for Plant Purchased from A. T. & S. F., 1058
Office and Shop at Chicago, 1201*
Wheel Silencer, 504*
Fairmont Railway Motors, Inc.:
Ballast Maintenance Car, 496*
Extinguisher Car and Trailer, 502*
Hy-Rail Motor Car, 494*
Oil Sprayer, W72 Series A, 482*
Tie Remover, W68 Series A, 1126*
Fares (See Passenger Fares)
Featherbedding (See Make-Work Rules)
Federal Agencies, Various, Reorganization of, President Truman Submits Plans to Congress for, 561, 806, 845, 930, 1052
Federal Barge Lines (See Inland Waterways Corporation)
Federal Communications Commission: 2601 Radio Transmitters Operated by Railroads, 452
Federal Department of Transportation, Do the Railroads Want a, 467†
Federal Trade Commission Pricing Doctrine: Freight Absorption Bill Vetoed by President, 53, 237, 1151, 1277
Federation for Railway Progress:
Annual Dinner and Awards, 851, 931, 1034*
Television Program Stresses Need for Stronger Railroads in Event of War, 464
Testimony Before Senate Subcommittee Holding Hearings on Domestic Land and Water Transportation, 885
Fence, Armco Snow, 484*
Filing System, New, for Purchasing Department Records Saves Money for Southern, 1118*
Film, Scotchlite Lettering, 485*
Films (See Motion Pictures)
Financial Position of the Railroads, Improved, 736*
Financing: (See also Capital; Investment in Railroads)
Debt Adjustment Plans (See Debt Adjustment Plans)
Equitable Life Assurance Society Plan for Financing Freight Cars, 657, 712, 767, 772†, 891, 1019, 1060; Plan Extended to Include Diesel Locomotives, 1104
Financing Improvements Out of Expenses Suggested, 408‡
General American-Evans to Build and Lease Box Cars, 566, 658*, 773†, 777*, 914*, 1055, 1200*
Highway Finance in New York State, Study of, 445
"New Capital" Need Dominates, 64*, 408‡
Railroad Situation; Dr. J. H. Parmelee on, 705, 782*
Fire Destroys Jamaica Trestle of L. I., 929
Fire Extinguisher Car and Trailer, Fairmont, 502*
Fire Extinguishers:
Ansul Dry Chemical, 595*
Pyrene Gas-Charged, 839*
Pyrene, with Seamless Shells, 595*
Fire-Fighting Units, Ansul Stationary Dry Chemical, 482*
Fire Prevention, P. & S. Div. Report on, 1252*
Fire Protection Systems:
Automatic Sprinkler Foam Blanket, 350*
Pyrene Automatic Air-Foam, 644*
Fire-Resistant Qualities of Pressure-Creosoted Piles and Timbers in Substructures of Piers and Wharves, 879
Fire Retardant Treatments for Wood; T. R. Truax on, 555

GENERAL INDEX—Continued

[*Illustrated articles are indicated thus*; Editorials thus†; Letters to Editor thus‡*]

Fireproofing of Wood Bridges and Trestles, 555
First-Aid Instruction Available to Railroads, 731†
Fixed Charges; Analysis of Coverage in 1949, 559
Fixed Properties:
Estimate of Capital Expenditures for 1950, 474*
Estimate of Capital Expenditures Necessary During Next Ten Years, 11
Estimate of Capital Expenditures Needed Made by F. R. Dick, 1093
Financing Improvements Out of Expenses Suggested, 408‡
How Improvements Reduce Costs, 8*
Outlay for Maintenance Down Slightly in 1949, 22*
Why Railroads are Shy Funds for Improvements, 681*†
Fleetwelder 200, Lincoln, 503*
Floodlights, G. E. Heavy-Duty, 1125*
Floodlights, Onan Portable, 497*
Floods in Valley of Red River of the North, 845, 931, 1096*, 1149*
Floods on I. C., 448*
Flooring, Nailable Steel, for Box Cars, 702*
Flooring, Plastic Freight Car, Used on W. P., 1180*
Florida East Coast: Supreme Court Won't Review Reorganization Plan, 324, 707; Case Reopened by I. C. C., 1105, 1155
Florida Intrastate Freight Rate Adjustment in Ex Parte 166 Case Recommended in I. C. C. Proposed Report, 242
Foam Blanket for Fire Protection, Automatic, 350*; Pyrene, 644*
Folco Dictating Machine, 1124*
Foreign Transportation, Tulane University to Sponsor Institute on, 705
Forest Products, P. & S. Div. Report on, 1247
Forestry and the Railroads, 738*
Forms, Contract, A. R. E. A. Report on, 546
Formula for Assigning Passenger Service Costs, I. C. C., 1165†
Forty-Hour Week:
Canadian Railwaymen Seek, 188, 805, 847, 890, 1202
Chronology of Development of, 14, 49
Conductors and Trainmen Granted 40-Hour Week for Yard-Service Members, 189, 361, 451, 511 (Issues Under Discussion); 564, 621, 706, 751, 803, 846*, 883, 927, 1202, 1221†, 1238* (Emergency Board Report; Cost of Changes); 1258
Cushioning the, 974*
D. L. & W. and Switchmen Agree on, 708
How Maintenance of Way Department is Meeting, 547
Signaling Projects Warranted by, 34
Switchmen Seek, 512, 619, 659, 844, 1009, 1054, 1097, 1258
Yardmasters Granted, 710, 767, 883, 927, 1202, 1221†, 1238* (Emergency Board Report)
France:
Coordinated Rail, Bus and Truck Service Planned, 323
Railroads Returned to Pre-War Condition, 1207
Franklin Railway Supply Company:
Diversification of Products Undertaken, 143*
Variable-Speed Winch, 502*
Free Enterprise:
Cleveland Chamber of Commerce Transport Policy Booklet, 1012
Hill, James B., on, 75
Nye, Fred N., on, 153
T. & P. "Soapbox for Freedom" Ad, 313
Van Hoven, P. H., on, 469
What Would *You* Do?, 621*
Free Transportation, I. C. C. to Investigate, 409
Freight Absorption Bill Vetoed by President, 53, 237, 1151, 1277
Freight Agent Can Aid in Reducing Claims, How the, 1073*
Freight Agents' "Memos" on Means of Improving Freight Service, 1068*
Freight Car Loading:
Average Car Load in 1949, 1204
Coal Loadings, Status of, 658
General Foods' Use of Trained Loading Crews, 636†
Shippers' Estimates Compared with Actual Loadings in Third Quarter of 1949, 451; Fourth Quarter, 1100
Shippers' Estimates for First Quarter, 105; Second Quarter, 707
Weekly Reports, 110, 155, 193, 240, 280, 320, 363, 413, 452, 515, 566, 622, 661, 711, 753, 805, 848, 889, 928, 1010, 1058, 1099, 1151, 1206, 1261
Years 1945-49, 47, 154
Freight Car Performance:
Benefits of Increased Utilization, 140
Increased Savings from Increased Payload, 847, 1056
Methods of Increasing Car Efficiency, 1192
Years 1941-49, 59
Freight Classification, National Motor:
Members File Rate Procedures Agreement with I. C. C., 452
Motor Carriers Asked to Drop "Volume Minimum Weights", 362
Freight Forwarders:
Agreements with Motor Carriers: Date of I. C. C. Order Postponed, 451
Common Carrier Status Favored by Senate Committee, 451; by Freight Forwarders Institute, 523
Earnings in 1949, 1048
Fined for Granting Concessions to Shippers, 154
Freight Handling:
A. R. E. A. Report on Facilities for Mechanical Handling of L. C. L. Freight, 551
Automobile Bodies, Special Cars for; Australian Railways, 512*; U. P., 672*, 968*, 971*
British Group to Study U. S. Methods, 1097
D. L. & W. Use of Specialized Devices, 606*
Despite Everything, the Grain Gets Moved, 988*
Evans D-F Loader for, 778*, 916*
General Foods' Merchandise Distribution Plan, 604*
General Foods' Use of Trained Loading Crews, 636†
Grocery Shipments, New Plan for Handling, 279
Gypsum Board Shipped on Special Flat Cars, 1173*
Jordan "Lode-Lok" Cargo Holder, 1125*
Mechanical Handling of Lumber, P. & S. Div. Report on, 1248
Overhead Conveyors at Gardner Freighthouse; B. & M., 401*; Galewood Freighthouse; C. M. St. P. & P., 1175*
Perfect Shipping Campaign, 462, 585, 608*, 626, 848, 924*, 931
P. E. I. Safe Transit Program, 269*, 348*, 1011
Potato Traffic on the B. & A., 392*, 399*
Pulpwood Handling Costs Cut by Special Cars and Car Dumper, 866*
Rough Handling, What Railroads are Doing About, 978*
Stations Equipped to Handle Unit Loads, 1000*
Steel Banding for Tie Handling, 509*
"Tape-Strap" for, 1123*
Unit Load Handling to Increase in 1950, 20*
Unusual Shipments, 1005*
What Stations to Mechanize?, 1070*
Freight Houses (See Stations, Freight)
Freight Operating Statistics: October, 207; November, 421; December, 576; January, 721; February, 938; March, 1215
Freight Rates (See Rates, Freight)
Freight Service: (See also L. C. L. Service)
Automobile Manufacturers' Inventory on Rails, 962*
C. P. R. Speeds Car Records and Tracing, 311*
Cushioning the Forty-Hour Week in, 974*
General Foods' Merchandise Distribution Plan, 604*
"Memos" from Freight Agents on Means of Improving, 1068*
New Conception of, 949†
N. Y. C. Issues New Merchandise Car Schedules, 620
Now That I'm on the Other Side of the Fence, 952*
Overnight Fast Freights, List of, 986*
Overnight Fast Freights, Routes of the, 983*
Radio Reaches Industries' Sidings, 998*
Railroad Productivity in 1948, Department of Labor Report on, 279
Railroads' Service to Auto Industry, 188, 962*
"Signal Honors" for Freight, 996*
Stations Equipped to Handle Unit Loads, 1000*
Suggestions for Railroads; A. H. Phelps on, 600
U. P. "DLS" Livestock Train, 774*
West Coast Service Speeded Up by G. N., W. P. & A. T. & S. F., 365
Year of Decision—For Progress, 955*
Freight Stations (See Stations, Freight)
Freight Traffic:
A. A. R. Freight Station Section Report on, 1189
A. C. L., New Traffic for the, 784*
Chart Comparing 1950 with 1939 and 1949, 1099*
Chart Comparing 1949 with 1939 and 1948, 193*, 413*, 623*
Coal, Decline in, 1095, 1277
Intercity, Distribution of, 958*, 960*
Intercity Index Shows Relative Growth of Carriers, 1257
I. C. C. Comment on "Unhealthy" Change in the Carriers "Historic Attitude" on Building Up, 174, 211†, 295†
Iron and Steel, Eastern Roads Move to Regain, 450, 566, 708, 798, 848
Railroad Proportion in 1949, 705, 958*, 960*
Waterborne Commerce in 1949, 769
Year 1949, 30*
Year of Decision—For Progress, 955*
Freight Train Performance:
Expediting Movement of Trains Through Yards, 1193
I. C. C. Study of Performance Factors, 319
Years 1941-49, 59; Year 1949, 465, 957
Freight Transportation Tax:
Elimination Permitted by President Truman's Tax Program, 238, 319
Reduction Favored by House Ways and Means Committee, 888, 1147
Repeal of Urged, 409, 412
French West Africa: Railroad Improvement Program, 368
Frisco Transportation Company: Truck-Leasing Plan Approved by I. C. C., 242
Fuel:
Burning Oil May Be Cheaper, 336†
P. & S. Div. Report on, 1246*
Fuel Consumption as a Basis for Scheduling Diesel Locomotive Repairs, 860†
Fueling Apparatus, Barco Diesel, 484*
Future of the Railroads:
Can Optimism About the Railroads be Justified?, 1065†
Courage and Persistence Will Remove the Hindrances to Railroad Prosperity, 1†
Nation Needs Railroads Less Than in Nineties, Says J. Howard McGrath, 237

G

G & H Rail Controls, Inc.: No-Creep Rail Anchor, 4
Gar Wood Industries, Inc.: "Dump It" Truck-Body Ho 838*
Gas Turbine, Experimental Coal-Burning, Progress Rep on the, 745*
Gas-Turbine Locomotive (See Locomotives)
General American-Evans Company:
D.F Box Cars to be Built and Leased, 566, 65 773†, 777*, 914* (Description), 1055 ("T veiling"), 1200*
Organization and Officers, 566, 779, 1209
General Eastern Passenger Agents Association of New Yo Officers, 157
General Electric Company:
"Commentator" Article: "What Would *You* D 621*
Floodlights, New Heavy-Duty, 1125*
Locomotive, Gas-Turbine, Tested on U. P., 314
Mobile Battery Chargers for Submarines, 365
"More Power to America Special", 316, 622*, 832
To Handle Locomotive Field Sales and Service American Locomotive Company, 894
General Foods Corporation:
Revolutionary Merchandise Distribution Plan, 604*
Trained Car Loading Crews, 636†
General Motors Corporation:
Earnings Greater Than Those of Entire Railroad dustry 167†
Electro-Motive Division: "Blueprint for Better Lo motives" Exhibit, 1201
Labor Policy Outlined by C. E. Wilson, 1201
"Train of Tomorrow" Purchased by U. P., 930, 12
General Railway Signal Company:
Annual Report, 455
Car Retarder Control Machine, 491*
C. & N. W.; C. T. C. Installation, 692*
Control System for Power Switches and Retarders I. C. Markham Yard, 1181*
Switching, Automatic, for Car Retarder Yards, 4
Generator, Amesteam, 489*
Georgia Equalization Rate Case; Special Master Advi Supreme Court to Dismiss Complaint, 1152, 11
Georgia, Florida & Alabama: Reorganization Proceedin 812, 1155
German Railroads:
American Experts Making Marshall Plan Study, 8
Homberger, Dr. L. M., Making Study of, 411
Goggle, Willson Safety Welding, 480*
Gorman-Rupp Alta Centrifugal Pumps, 499*
Government Ownership:
Can Optimism About the Railroads be Justified 1065†
Rathje, Frank C., on, 752
Government Reparations Cases Involving Wartime Freig Bills, 275, 414, 615, 1006, 1050, 1097, 1200
Government Responsibility for Low Earnings of Railro Industry, 167†
Gradall, Warner & Swasey Improved, 499*
Grade Crossings (See Crossings, Highway Grade)
Grain Movement:
Cartoon on the, 1134*
How the Railroads Handle the, 988*
Railroads Readying Box Car Supply for, 278, 10
Grain Organizations Seek Probe of Long-Distance Trucki 751
Grain Rates, Equalized Ex-Lake, to Eastern Ports Co demned by I. C. C., 1095
Grand Central Terminal:
Expenses of Operating, 276
Passenger Traffic in 1949, 275
Public Address System Broadcasting Suspended, 15
Grand Trunk Western: Detroit-Alpena Train Establish with D. & M., 315*
Gravely Rotary Saw, 483*
Great Britain:
Coaches, Double-Deck, 227*
Deficits Created by State-Owned Transport System, 3
Guide Lines of the New Rate Pattern, 398
How Trucks Fare After Railroads are Socialized, 10
Railway Earnings in 1949, 808
Railway Electrification Continued in, 132*
Railway Employees' Magazine, New, 1207
Railways Seek Closer Cooperation with Employees, 3
Railways Use "Perambulation" Method of Loading a Unloading Cars to Prevent Theft, 146*
"Teams" to Study in U. S., 106 (Diesel Locomoti Manufacture); 1097 (Freight Handling)
Great Lakes Regional Advisory Board Meeting, 578
Great Lakes Steel Corporation; Nailable Steel Floors f Box Cars, 702*
Great Northern:
Extension of Truck Routes Approved by I. C. C., 4
Fined for Elkins Act Violation, 1010
Floods in Valley of Red River of the North, 8
Freight Service on West Coast Speeded Up, 365
Passenger Fare Cut Between Seattle and Vancouve Aids Train-Mile Earnings, 1098
Switchmen to Strike Against, 1258
Great Northern Paper Company: Car Dumper for Handlin Pulpwood Cars, 866*
Greece:
Bids for Railroad Equipment Invited, 323
Railroads Returned to Pre-War Condition, 1207
Green Bay & Western to Lease Freight Cars Under Equita ble Life Assurance Society Plan, 1060

Greenville Steel Car Company:
Charging Plant Cars Being Built for G. E., 365
To Rebuild Cars for North Western Refrigerator Line Company, 188
To Repair B. & L. E. Hopper Cars, 566
Griffenhagen & Associates: Study of Highway Finance in New York State, 445
Grinder, Rail, Railway Track-work P-44 Flexible Shaft, 485*
Grocery Shipments, New Plan Allows Consolidation of, 279
Grouter, Hebard, Changes Made in the, 494*
Gulf, Colorado & Santa Fe to Install Microwave Radio, 892
Gun, Eclipse Extension Spray, 482*
Gypsum Board and Lath Shipped on Flat Cars, 1173*

H

Hammer, Chipping, Ingersoll-Rand Controlled Power, 486*
Hammer, Pile, Syntron Diesel, 485*
Hammer, Spike, Nordberg 1950-Model, 497*
Harnischfeger Zip-Lift Hoists, 484*
Harvey House Off-Train Dining to be Revived on the A. T. & S. F., 463
Hastings, J. A.: Presentation on "Postalized" Transportation and a "New Mass Transportation Syctem" Made Before Senate Subcommittee Holding Hearings on Domestic Land and Water Transportation, 1052
Heater Service for Perishables in the East; I. C. C. Postpones Date of Order, 321; Modifies Charges for, 710
Heaters, Underslung, for Refrigerator Cars, 1170*
Heating, Radiant, for Passenger Cars; M. L. Ghai on, 402*
Hebard Grouter, Changes Made in the, 494*
Henry, Robert S., No 40-Hour Week for, 620*
Highway Finance in New York State, Study of, 445
Highways:
A. R. E. A. Report on, 548
Appropriations for 1950-51, 147, 149
Cost of Correcting Deficiencies; Report of Congress' Joint Committee on the Economic Report, 280
Federal-Aid Bill Authorizing Appropriations for 1952 and 1953, 708, 1010 (J. H. Hays on)
New York State "Thruway" to Aid Truckers, 637†
Railroads' Truck-Competitive Situation, 214*, 447
History: (See also Centennials)
C. & E. I. Gives Old Coach to Museum of Transport, 1161
Chicago's First Rail Line to Drop Passenger Service, 624
I. C. C. History of Transport Coordination, 1148
Louisville & Nashville, 343*
Hoist, Car Wood "Dump It", 838*
Hoist, Harnischfeger Zip-Lift, 484*
Holland Snubber Spring Improved, 1125*
Homelite Gasoline-Powered Chain Saws, 500*
Hoover Commission:
Do the Railroads Want Transportation in the Cabinet, 467†
Proposals for Reorganizing Various Federal Agencies Submitted to Congress by President Truman, 561, 806, 845, 930, 1052
Hot Boxes (See Journal Bearings)
House Committee on Interstate and Foreign Commerce:
Bill to Give I. C. C. Power Over Communications Systems and Train Operating Rules; Toned-Down Version Reported, 282
Hearings on Bill Proposing Separation of Air Mail Payments from Subsidy Payments, 360, 754
Hearings on Bills to Provide for a Union Shop and Dues Check-Off Under the Railway Labor Act, 1006, 1096
Hearings on Transport Situation, 333, 448, 514
House Committee on Public Works: St. Lawrence Seaway Hearings, 361, 414
House Committee on Ways and Means: Hearings on Repeal of Freight and Passenger Taxes, 319, 409; Reduction Favored by, 888, 1147
House Committee on the Judiciary: Subcommittee Investigation of Monopoly Practices, 926
House Select Committee on Lobbying Activities Asks Data on Expenditures, 1150
Houston Belt & Terminal: Terminal Unification Plan, 572
Hudson & Manhattan:
Car Modernization Program, 237*
Cars Scrapped, 1050*
Executive Changes, 1157, 1267*
Passenger Fare Increase Granted by I. C. C., 513
Shop, Car Repair, to be Built by, 1050
Hulson Company, O. C. Duryea Corporation Merged with, 808
Hy-Rail Motor Car, Fairmont, 494*
Hyster Grid Roller, 480*
Hyster One-Ton Capacity Fork Truck, 268*

I

Ice Removal from Refrigerator Cars, Hot Water Used for, 266*
Icers, Car, Link-Belt Rico, 732*
Illinois Central:
Cars, New Sleeping, in Service, 849
Considers Purchasing Diesel Locomotives, 1098
Employee Committees Report Safety Hazards, 1010
Employee Suggestion System, 127†, 154
Floods in Kentucky, 448*
"Freedom vs. Socialism" Lectures for Employees, 320*
Golden, C. H., Jr., Awarded Medal of Honor, 1014
"Push-Button" Classification Speeds Cars Through Markham Yard, 1181*
Rail, Economic Value of Various Sizes of, 533†, 553, 554
Illinois Central:—*(Continued)*
Safety Record in 1949, 415
Seeks to Buy Submerged Land, 1261
"Seminole" Service Improved, 155
Sherwin-Williams Carclad Used on Hopper Car, 838*
Suburban Service Losses Confirmed by Price, Waterhouse & Co., 1009
Veterans, 50-Year, Honored by, 1206
Illinois Intrastate Rates on Coal: I. C. C. Investigations of Illinois Commerce Commission's Refusal to Apply Ex Parte 162, 166 and 168 Increases, 769, 1017
Illinois Railroads Propose Rate Procedures Agreement, 899
Impact, A. R. E. A. Report on, 557
Impact Wrench, Thor, 487*
Impacts, Switching or Road, Packing Retainers Help Prevent Waste Grabs That Would Normally Occur from; A. T. & S. F. Tests, 1088*
Improvement Programs; C. B. & Q., 324; M. P., 417; Survey of All Railroads, 474*; C. P. R., 627; C. N. R., 663; U. P., 1152; Victorian Railways, 1207
Income Tax Revisions Recommended by President Truman, 238, 320, 410
Independent Movers' & Warehousemen's Association Rate Pact Application Dismissed by I. C. C., 567
Independent Pneumatic Tool Company: Thor Impact Wrench, 487*
Index to Volume 127, 427
India: New Line Connecting Assam with Rest of Indian Union Opened, 323
Indianapolis Union, Centennial of the, 662*
Industrial Brownhoist Corporation:
Crane, Locomotive, for Maintenance of Way Work, 269*, 499*
Derrick, Diesel-Powered, 273*
Industrial Development:
A. C. L., New Traffic for, 784*
A. C. L. Tree Farm in Florida, 578*
B. & O. Coal Exhibit Aids Dealers, 411, 449*
Discussion at A. R. D. A. Annual Meeting, 881*
Forestry and the Railroads, 738*
G. E. "More Power to America Special", 316, 622*, 832*
Industries Pay Off on N. & W. Secondary Line, 613*
M-K-T Program, 620
S. A. L. Cattle Tour Staged in Florida, 415
Industrial Relations:
British Railways Seek Closer Cooperation with Employees, 367
Kind of Leadership We Need, The, 335†
Pullman Service Conferences, 428*
R. E. A. Appoints Supervisors of Employee and Public Relations, 281*
Western Pacific Plays Host to Entire Staff, 928
Industry Must Keep Expanding, 259
Information for Employees: What Really Happened on the Long Island?, 425†, 538‡
Information for the Public:
Aydelott, J. H., on, 544
Mack Trucks, Inc., to Issue Trucking Information Service, 1161
Now That the Railroads Have a Sound Public Policy . . . , 859†
Public and the Politicians Are Not to Blame for Transportation's Troubles, 1027†
Public Beginning to Sense Rail Plight, 619
Should Public Discussion of Transportation Ills Be Shut Off?, 583†
What Really Happened on the Long Island?, 425†, 538‡
Ingersoll-Rand Controlled Power Chipping Hammers, 486*
Inland Waterways Corporation:
Increase in Authorized Stock Recommended by President Truman, 147
Offer of Private Group to Lease Rejected, 237, 362, 412
Recapitalization of, Bills to Provide for, 53
Inspection Pits, Under-Car, A. R. E. A. Report on, 551*
Institution of Electrical Engineers to Discuss Electric and Diesel-electric Traction, 283
Instruction Car; St. L.-S. F., 340*
Insulation, Rubber, for Rail Joints, 492*
"Intelex" Passenger Reservation System, 1203*
Interline Ticket Accounting, Machines for; N. Y. C., 224*
Interlockings Placed in Service in 1949, 86
International Brotherhood of Teamsters Asks Drivers to Support Truck Propaganda, 1151
International Business Machines Corporation:
C. P. R. Car Record and Tracing Work, 311*
Electronic Calculators Installed in Railroad and Railroad Supply Company Offices, 889*
N. Y. N. H. & H. Car Records System Mechanized, 356*
International Standard Trading Corporation: "Intelex" Passenger Reservation System, 1203*
International Trade Fairs to be Held in U. S. and Canada, 366
Interstate Commerce Act:
Amendment to Accord Common Carrier Status to Freight Forwarders Proposed, 451, 523
Bill to Provide for Authority Over Communications Systems and Train Operating Rules Toned Down, 282
Section 5a (Reed-Bulwinkle Act):
Applications Filed Under, 51
Car Hire, Demurrage and Storage Rules Pact Conditionally Approved, 526, 563
Common Carrier Truckers File Rate Procedures Agreement, 452
Eastern Rate Pact Approved, 618
Household Goods Carriers' Bureau Rate Pact Approved, 769
Illinois Roads Propose Rate Pact, 899
Interstate Commerce Act:—*(Continued)*
Section 5a (Reed-Bulwinkle Act):—*(Continued)*
Independent Movers' & Warehousemen's Association Application Dismissed, 567
Inland Waterway Carriers' Rate Pact Approved, 769
Roads Serving South Atlantic and Gulf Ports Propose Pact, 662
Southern Railroads' Rate Procedures Agreement, 413, 579, 619, 661 (Correction), 767
Tidewater Coal Demurrage at Ports; Approval Recommended for Procedures Agreement, 1058
Interstate Commerce Commission:
Accident Reports:
C. M. St. P. & P. Derailment Near Fredonia, Wis., 1162
C. R. I. & P. Derailment Near Meade, Kan., 317
"City of San Francisco" Derailment on C. & N. W., 241
L. I. Collision at Rockville Center, 659
Administrative Changes, 930
Aitchison, C. B., Permitted to Serve Until Successor is Appointed, 106
Alabama Intrastate Express Rate Adjustment Ordered, 1017
Allegheny & South Side, Status of, 623
Annual Report for 1948-49, 174, 211†
Appropriations for 1950-51, 147
Barge-Rail Rate Differential Case, 106, 188, 275, 366, 525, 844, 1058
Bureau of Accounts and Cost Findings:
Edwards, Dr. F. K., Resigns, 1057*
Emken, C. W., Named Acting Director, 1148
Parr, G. J., Resigns, 805
Reorganization of, 193
Study of Empty Car Mileage and Train Performance Factors, 319
Bureau of Formal Cases: F. E. Mullen Appointed Chief Examiner, 414, 525
Bureau of Locomotive Inspection:
Annual Report for 1948-49, 179, 213†
Friend, J. E., Confirmed as Assistant Director, 155, 237, 278
Bureau of Safety:
Annual Report for 1948-49, 187
Retirement of J. S. Hawley and R. S. Booth, 890
Bureau of Transport Economics and Statistics:
Grade Crossing Accident Statistics for 1949, 1149
Historical Development of Transport Coordination and Integration in the United States, 1148
Monthly Comment on Transportation Statistics, 182, 406, 559, 797, 1047, 1257
Passenger Service Operating Deficit in 1949, 1007, 1047, 1257
Waybill Studies, 240, 331, 451, 578, 891, 1012, 1163
Butler Brothers Reparations Claim Dismissed, 236
Cancellation of Pick-Up and Delivery of L. C. L. Freight at New England Points Approved, 927
Car Spotting Service Orders Involving American Smelting & Refining Company and the U. S. Smelting, Refining & Mining Company Upheld by Supreme Court, 710
Car Spotting Service Tariff, Investigation of Railroad Application of, 1057, 1277
Carrier Associations, Calls for Reports from, 239, 619
Chairman, Proposal for President to Designate, Turned Down by Senate, 561, 806, 845, 930, 1052
C. & E. I. Authorized to Modernize A. T. C. System, 321
C. & N. W. Seeks Increase in Commuter Fares, 275
Class Rate Case (See Class Rate Case)
Coal Rates to New England, Fourth Section Relief Vacated on, 849
Commodites Clause Legislation, Views on, 926
Consolidated Freight Classification (See Consolidated Freight Classification)
Consoldated Statistical Statements for 1950 Required, 844
Debt Adjustment Plans (See Debt Adjustment Plans)
D. & R. G. W. Seeks to Make U. P. Open Ogden Gateway, 316, 676
D. T. & I. Acquisition by P. R. R. and Wabash Approved, 894, 1155
Eastern L. C. L. Rate Case, 362, 579, 888, 1097, 1277
Eastern Roads Allowed to Cut Iron and Steel Rates, 450, 566, 708, 798, 848
Examiners, Retirement of, 111
Formula for Assigning Passenger Service Costs, 1165†
Free Transportation, Investigation of, 409
Freight Forwarder Regulation:
(See also Names of Companies)
Agreements with Motor Carriers; Date of Order Postponed, 451
Government Reparations Cases Involving Wartime Freight Bills, 275, 414, 615, 1006, 1050, 1097, 1200
Grain Rates, Equalized Ex-Lake, to Eastern Ports Condemned, 1095
H. & M. Granted Passenger Fare Increase, 513
Inland-to-Florida Rates, Fourth Section Relief Revoked on, 280
Interpretation of Use of Staff Under Administrative Procedure Act, 565
Iron and Steel Storage-Tank Materials; Rates Reduced to Meet Competition, 769
Job Protection Conditions in Consolidation Cases, Supreme Court Ruling on, 657
Knudson, J. K., Appointed a Commissioner, 364, 622, 751, 802*, 849, 930 (Assigned to Division 3)

GENERAL INDEX—Continued

[*Illustrated articles are indicated thus*; Editorials thus†; Letters to Editor thus‡*]

Interstate Commerce Commission:—*(Continued)*
- Lighterage Fees at New York, Decision Reversed on, 188
- Livestock Rate Reduction Sought, 1276
- Locomotive Mileage of Coal-Burning Locomotives Cut Because of Coal Shortage, 155, 190, 278, 313, 358, 413, 448, 510, 568, 580
- Mahaffie Act Ruling Upheld by Supreme Court, 709
- Mail Pay Case (See Mail Pay Case)
- Miller, Carroll, Death of, 109*
- Mitchell, R. F., Criticizes *Railway Age* Editorial on Delay in Mail Pay Increases, 168†, 253†, 272, 354‡
- Mitchell, R. F., Reappointed, 107, 364, 512, 624
- Motor Carrier Regulation: (See also Names of Companies)
  - Hearings on Applications to be Limited, 751
  - N. Y.-Philadelphia Truckers Get Minimum Rate Order, 930
  - Revenue Bases for Groupings Raised, 462
  - Rules Governing Transfer of Operating Rights Revised, 106
  - Senate Committee on Interstate and Foreign Commerce Questions Granting of New Applications, 512
  - Written-Estimates Rule Dropped for Household-Goods Truckers, 317
- Motor Trucking, Long Distance, Grain Interests and Railroads Seek Probes of, 751, 886, 1094; B. of R. T. Seeks, 1205
- New Jersey Roads Granted Commutation Fare Increases, 513
- Postmaster General Denied Reconsideration of Finding of No Rail "Rates" on Express, 366
- Protective Service Against Cold for Perishable Traffic in East; Date of Order Postponed, 321; Charges Modified, 710
- R. E. A. Granted 10 Per Cent Increase, 151, 276, 560
- R. E. A. Plea for Finding on Pooling Arrangements to Refute Anti-Trust Charge to be Heard by, 274, 1147
- R. E. A. Revenue Apportionment Plan, Proposed Report on, 273, 706
- Rate Advance Cases (See Rates, Freight)
- Rate Procedures Agreements (See Interstate Commerce Act: Section 5a)
- R. F. C. Reparations Claim Denied, 189
- Red Cap 25-Cent Service Charge Approved, 706
- Reorganization of Railroads (See Reorganization of Railroads)
- Representation for New England and Middle Atlantic States Sought by Senators from Those Sections, 512
- Reservation Practices of Railroads and Pullman Company, Report on, 1259
- Schedule for Publishing Rate Increases in Basic Tariffs Set, 363
- Service Charge for Coach-Seat Reservations, Hearings on, 321
- Service Orders, 110, 115, 313, 454, 510, 529, 568, 580, 807, 842, 922, 1103, 1153, 1210
- Signal Rules Revision Proposed, 155
- Signaling on High-Speed Lines, Status of Order on, 35; S. P. and W. P. Denied Relief, 240; A. T. & S. F. and U. P. Granted Relief, 315; C. R. I. & P. Denied Relief, 929; C. & N. W. Denied Relief, 1148
- Staley, A. E., Manufacturing Company Qualifies for Spotting Service Under Line-Haul Rates, 412
- Standard Time Zone Modification, 930
- Ticket-Redemption Charge Proposals Suspended, 281
- Water Carrier Regulation: (See also Names of Companies)
  - Credit Rules Adjusted to 5-Day Week, 331
  - Minimum-Rate Order for Intercoastal Lines Vacated, 527
- Water-Competitive Rates on West Coast Approved, 846
- Weehawken Ferry Fares Increased, 513
- Wool and Mohair Rate Cut, Refuses to Reconsider, 152, 363

Inventories:
- Decline in, in 1949, 13
- Monthly: October, 63; January, 743; March, 1136

Inventory on Rails, 962*

Investment Bankers Association of America: Report of the Railroad Securities Committee, 169, 236

Investment House Publications, 247, 419, 628, 856, 1107, 1267

Investment in Railroads: (See also Capital; Financing)
- Badly-Needed New Device—A Low-Earnings Alarm, 125†
- Improved Financial Position of the Railroads, 736*
- No Incentive for, Says Z. G. Hopkins, 624
- Why Railroads Are Shy Funds for Improvements, 681*†

Investors' Meetings with Railroad Executives and Investment Bankers Proposed, 236

Iraqui State Railways Seeks to Buy Chilled Car Wheels, 808

Iron and Steel Storage-Tank Materials; I. C. C. Reduces Rates to Meet Competition, 769

Iron and Steel Structures, A. R. E. A. Report on, 558

Iron and Steel Traffic, Eastern Roads Cut Rates to Regain, 450, 566, 708, 798, 848

Israel Railway, Mechanization Needed by, 888, 1137*

Italy: Railroads Returned to Pre-War Condition, 1207

J

Jack, Track, Duff-Norton Aluminum, 498*

Jackson Multiple Tamper Improved, 495*

Job Guarantees Sought by B. of M. W. E., 1097

Joint Committee on Railroad Electrification Appointed, 526, 819†

Jordan "Lode-Lok" Cargo Holder, 1125*

Jordan Spreader-Ditcher Snow Plow Improved, 488*

Joslin Time Stamp, 595*

Journal Bearings:
- Hot Journals, 126†
- Plain Journal Improvements; F. S. Robbins on, 267‡
- Value of Packing Retainers in Preventing Hot Boxes Tested by A. T. & S. F., 1088*

Journal Box Packing Requirements, A. A. R. Mech. Div. Tests for, 1230*

K

Kansas City Southern:
- Brakeman's Out-of-State Suit Dismissed by Illinois Court, 152
- Display Sign Near Kansas City Union Station, 842*

Kansas Intrastate Freight Rate Adjustments in Ex Parte 162 and 166 Cases Ordered by I. C. C., 411

Kent State University Forum on Foreign Trade and Transportation Problems, 564, 753

Kershaw Ballast Plow and Distributor, 488*

Kinnear Door with Air-Filter Panels, 186*, 502*

Knoxville Traffic & Transportation Club Organized, 1101

Koppers Tie-Sealing Compound, 488*

L

L. C. L., Quantity Ratings Proposed for, 1166†

L. C. L. Rate Case, Eastern, 362, 579, 888, 1097 (Compromise Adjustment Proposed), 1277

L. C. L. Service: (See also Freight Handling)
- Advertise Good L. C. L. Service, 213†
- A. R. E. A. Report on Mechanical Handling Facilities, 551
- Cancellation of Pick-Up and Delivery at New England Points Approved by I. C. C., 927
- Cushioning the Forty-Hour Week in, 974*
- "Custom-Made" Schedules on the N. Y. C., 610*
- Montreal-Toronto Service on C. N. R. and C. P. R., 396*
- N. Y. C. "Pacemaker" Service Extended, 751
- New York-Chicago Second Morning Service, 751, 888, 979*
- P. R. R. "Keystone" Service, 274, 387*, 563, 1202*
- Riding the B. & O.'s "Time-Saver" to Make "Chicago Second-Morning" Deliveries, 979*
- Routing to First Break-Bulk Point Only Suggested for Improving, 243
- Trans-Missouri-Kansas Shippers' Board Seeks to Improve, 725
- What Railroads Think of Suggestions Proposed by Their Customers, 972*

Labor and Railroad Executives Meet, 453

Labor Camps, Sanitation Practices in, 546

Labor, Economics of, A. R. E. A. Report on, 547*

Labor Problem, The, 2†

Labor Relations:
- B. & A. Annual Report Contains Report from Labor, 773†
- Chronology for Year 1949, 14, 49
- General Motors' Policy on, 1201
- N. M. B. Annual Report Discusses, 150
- Railroads 30 Years Behind in Collective Bargaining Say Unions, 621

Labor Unions:
- Associations vs., 297†
- Bills to Provide for Union Shop and Dues Check-Off on Railroads, 619, 635†, 661, 806, 883, 925, 1006, 1048, 1096, 1261
- Demands Are Ruining the Railroads, 184
- Public Opinion and the, 1221†

Laboratory, A. A. R. Research, at Chicago, 470*, 1082*, 1258*

Lackawanna & Wyoming Valley: Reorganization Proceedings, 286

Lancaster & Chester: "Lilliputian Branch", 1102*

Leadership; The Kind of Leadership We Need, 335†

Leads, Orton Folding, for Pile Drivers, 498*

Legal Decisions: (See also United States Supreme Court)
- Elkins Act Violations, Roads Fined for, 364, 1010
- Forwarders Fined for Concessions to Shippers, 154
- Illinois Court Dismisses Brakeman's Out-of-State Suit Against K. C. S., 152
- Locomotive Must Be On Line to Violate Boiler Inspection Act; A. T. & S. F. Case, 567
- N. Y. C. and P. R. R. Fined for Exceeding Chicago Speed Limit, 424
- Railroads' Plea to Void Rail-Barge Differentials Order Denied, 188, 525
- Smoky Mountain's Former Auditor on Probation, 154

Legislation:
- Proposals Made by F. R. Dick, 1093
- Review of Year 1949, 52

Lehigh Valley:
- Breakfast Losses on Diners Cut, 1241*
- Commutation Fare Increase Granted by I. C. C.,
- Derailment Attempts, Precautionary Measures Ta Against, 452
- Locomotive Bell Given to Church, 632
- Locomotive Whistle, Chime-Tone, 632*
- To Be 95% Dieselized, 189

Lettering Film, Scotchlite, 485*

Lift, Monroe Hydraulic, on Dodge Power Wagon, 4

Lift Trucks (See Trucks, Industrial)

Lighterage Fees at New York, I. C. C. Reverses Decision 188

Lighting:
- G. E. Heavy-Duty Floodlights, New, 1125*
- Onan Portable Floodlights, 497*

Lima-Hamilton Corporation:
- Cranes, Mobile, 498*
- Orders in First Four Months Top 1949, 899
- P. R. R. 2500-Hp. Diesel Switchers, 1127*
- Snow Plows, 1500-Hp. Rotary, 430*, 511*, 749*

Lincoln Fleetwelder 200, 503*

Link-Belt Company: Rico Icing Machines Made by, 7

Link-Belt Speeder Corporation: Truck-Mounted Sho Crane, 499*

Livestock Rate Reduction Sought, 1276

Livestock Train, U. P. "DLS", 774*

Loader, Evans D-F, 778*, 916*

Loading Dock Ramps, Wayne, 504*

Lobbying Activities, House Committee Asks Data on, 1

Location, Railway, A. R. E. A. Report on Economics 555

"Locomotive Engineers Journal": Who Says "There Ain't Featherbedding"?, 220

Locomotive Inspection Annual Report for 1948- I. C. C., 179, 213†

Locomotive Inspection Rules for Diesel Locomotives, N for Modification of, 1029†

Locomotive Mileage of Coal-Burning Locomotives Cut cause of Coal Shortage, 155, 190, 278, 313, 3 413, 448, 510, 568, 580

Locomotive Performance:
- Administracao do Porto de Rio de Janeiro Die Locomotive Savings, 1008*
- Amador Central Diesel Locomotive Savings, 276*
- Benefits of Increased Utilization; A. E. Perlman 140
- C. I. & L. Diesel Operation Savings, 555
- Comparison of Service Performed by Diesel and Ste Locomotives in 1949, 182, 559
- Diesel Operating and Repair Costs, A. R. E. Report on, 555
- Proportion of Gross-Ton-Miles Handled by Die Locomotives, 182, 559
- State Belt Railway of California; Conversion to Die Power, 831*

Locomotive Speed Recorder with Push-Pull Arrangeme Valve Pilot, 594*

Locomotive Supply:
- Installations: Twelve Months, 197; January, 417; T Months, 627; Three Months, 850; Five Months, 12
- 1950 Orders Forecast by Department of Commer 157
- On Order: January 1, 197; February 1, 417; March 627; April 1, 850; June 1, 1264
- Orders: January, 284; February, 454; March, 66 April, 891; May, 1105
- Orders in 1949, 71
- Ownership and Installations, 1943-1949, 58

Locomotives: (See also Locomotive Performance)
- Comparison of Steam and Diesel Operating Costs, 83
- Developments in Motive Power in 1949, 24
- Diesel-Electric:
  - British "Team" to Study U. S. "Know How" 106
  - Canadian Builders' Expansion Program, 192*
  - C. & E. I. Club and Training School, 566, 65
  - Completely Dieselized Railroads and Division 134, 152, 189, 415, 566, 624, 691‡ (Fir Complete Class I Dieselization), 711*, 1095* 1100
  - Equitable Life Assurance Society to Buy an Lease, 1104
  - Fairbanks-Morse "Consolidation Line", 820*
  - First Streamlined Locomotive Built in Canad 892*
  - Fuel Consumption as a Basis for Scheduling Re pairs, 860†
  - Growth in the Use of, 58*
  - N. P. 11-Unit, 452*
  - Orders in 1949, 72
  - P. R. R. 2500-Hp. Switching, 1127*
  - Primary Factor in Improved Financial Position C. G. W. and C. & N. W., 1098
  - Purchasing and Storing of Parts, P. & S. Di Report on, 1244*
  - Replacement of Parts; Price or Quality, 427†
  - Should Inspection Rules be Modified?, 1029†
  - Units in Railway Service (Simmons-Boardman Survey), 1043
  - What Roller Bearings Mean to, 1140*
  - What Type of Repairs?, 860†
- Electric:
  - Netherlands Railways to Acquire, 156
  - Rectifier-Type, for the P. R. R., 589*
- Electric Transmission, Advantages and Economies of 647*

Locomotives:—*(Continued)*
Expenditures from 1923 to 1949 Analyzed, 7*, 9
Gas-Turbine:
Alco-G. E. Locomotive Tested on U. P., 314
Coal-Burning, Progress Report on, 745*
Orders in 1949, 71
Prices in 1949, 80
Steam:
Burning Oil May Be Cheaper, 336†
Improvements in Existing Design More Promising Than Radical New Designs, 254†
Long-Range Replacement Policy, 729†; Effect of Skilled Labor Problem on, 1134‡
Modernization Programs Pay for Themselves, 25
N. & W. Buys 30 Switchers from C. & O., 566
N. & W. 2-6-6-4 Roller-Bearing Equipped, 106*
N. & W. 4-8-4 Type, 1259*
Time Necessary for Complete Replacement of, 25
Transit Layout Advantages of, 1115†
Turbine Drive, Difficulties of Developing, 254†
U. P. to Convert More Coal-Burning to Oil, 276
Where to Direct Research, 254†
Why Some Failures Occur, 861†
"Lode-Lok" Cargo Holder, Jordan, 1125*
Long Island:
Collision at Rockville Center, 410, 425†, 451, 538‡, 651†; I. C. C. Report, 659: 871*
Jamaica Trestle Destroyed by Fire, 929
New York City May Buy Rockaway Branch, 929, 1261
Reorganization Proceedings, 160
Safety Inquiry Ordered by Public Service Comm., 451
"Sick" Engineers Cease Striking, 886
Long Trains Are No Safety Hazard, 730*†
Lorain TL-25 Shovel-Crane, 500*
Los Angeles, Transportation Fair to be Held at, 1206
Loss and Damage: (See also Claims)
Amount of; First Six Months of 1949, 276
A. A. R.-A. R. D. A. Course on Perishable Losses, 567
A. A. R. Freight Claim Division Report, 918*
A. A. R. Freight Station Section Report, 1187
British Railroads Use "Perambulation" Method of Loading and Unloading Cars to Prevent Theft, 146*
B. of R. T. Helps C. P. R. Cut Rough Handling, 1075
Five-Year Claim Prevention Program Proposed, 578
General Foods' Use of Trained Car Loading Crews, 636†
How Freight Stations Can Aid in Preventing, 1073*
How Manufacturers Can Help Prevent, 1011
More Information Needed to Stop, 709
Porcelain Enameled Ware; H. L. Cook on, 348*
Prevention of, P. & S. Div. Report on, 1255
Shippers' Stake in; A. H. Schwietert on, 919
Shippers Suggest Ways Carriers Might Reduce, 1186
What Price Statistics?, 683†
Whittling Down, 976*
Loud-Speaker Systems: Installations in 1949, 82
Louisiana, Overloading of Trucks in; N. E. Lant on, 261; 560*
Louisville & Nashville:
Car Ride Correlated with Instrument Readings, 931
Centennial of, 343*, 625*, 1261*
"Crescent" Now All Streamlined, 567
History of, 343*
"Pan American" Derailed Near Gulfport, Miss., 413
Tilford, J. E., to Succeed J. B. Hill as President, 1190*
Louisville Railroad Smoke Abatement Association: Radio Broadcast, 238*
Lubricants:
Additive Type, P. & S. Div. Report on, 1244*
Diesel Crank Case Oil, Reclamation of, P. & S. Div. Report on, 1249
Lubricating Rods, AWE Wheel Flange, 838*
Lubrication: Rail Joint Service Tests, 557
Lubricator, Rail, Meco Yard-Type, 496*

M

Mack Trucks, Inc. to Issue Trucking Information Service, 1161
Macon, Dublin & Savannah: I. C. C. Mahaffie Act Ruling Upheld by Supreme Court, 709
Magnus Brass Manufacturing Company: Safety Valve for Diesels, 1124*
Magor Car Corporation: B. & A. Pulpwood Cars, 866*
Mahaffie Act Ruling of I. C. C. Upheld by Supreme Court, 709
Mahon Filter-Cleaning Unit, 594*
Mail, Air and Rail, Costs and Deficits in 1948-49, 890
Mail Handling:
How Railroads Are Paid for, 1146
U. P. Extends Coordinated Rail-Highway Service, 413
Mail Pay Case:
Railroads' Motion for Interim Increase Denied, 152, 272, 568
Status of, 50
Supplemental Petition, Proposing Increase to 95%, Filed, 107; Hearings to be Held on, 711
Who's to Blame for Laggard Increases in Mail Pay?, 168†, 253†, 272, 354‡
Mail Pay Increase Since 1939, Amount of, 51
Mail Pay to Railroads and Air Lines, House Resolution Proposes Investigation of, 844
Mail That Makes the Editor Gratefully Happy, 651‡
Maine Central:
Daylight Saving Time to be Used by, 753
Stock Adjustment Plan Disapproved by I. C. C., 418
Maintenance Equipment Company:
Meco Rail Layer, Improvements in, 500*
Meco Yard-Type Rail Lubricator, 496*
Maintenance of Equipment:
Army Transportation Corps Program 95 Per Cent Complete, 319
Diesel Repair Practice and Facilities, 1226*
Freight Cars—Repair, Rebuild or Buy New?; W. Wyer on, 221*, 256*, 381†
Good Light Repair Tracks and Business, 532†
Progress in Freight Car Maintenance, 967*
Replacement of Diesel Locomotive Parts; Price or Quality, 427†
What Type of Diesel Repairs?, 860†
Maintenance of Way:
Big Track Machines Combat High Costs, 992*
Criticism on Inspection Trips Can be Costly, 903†
Expenditures Down Slightly in 1949, 22*
Programs for 1950 Planned, 474*
Track Cleaning Machine Developed on E. J. & E., 486*, 684*
Maintenance of Way Department, Meeting the 40-Hour Week in the, 547
Maintenance of Way Materials, P. & S. Div. Report on, 1251*
Maintenance of Way Work Equipment: (See also Ballast Cleaners, Tie Tampers, etc.)
A. R. E. A. Report on, 548*
Expenditures for 1950 Estimated, 476
Hyster Grid Roller, 480*
Maintaining Equipment of Mechanized Gangs, 549
Management Should Consider Proper Use and Maintenance of, 682†
Mechanization of Yard Cleaning, 255†
Organization Needed to Handle, 549
Purchases in 1949 and Outlook for 1950, 18*
Warner & Swasey Gradall, 499*
Who Is Crying "Wolf"?, 426†
Make-Work Rules:
Cartoon on, 1048*
Chronology of Year 1949, 14, 49
Conductors and Trainmen Win Some Changes, 189, 361, 451, 511 (Issues Under Discussion); 564, 621, 706, 751, 803, 846*, 883, 927, 1202, 1221†, 1238* (Emergency Board Report; Cost of Changes); 1258
Examples of, 184
N. R. A. B. Award to D. & R. G. W. Switchman Lacks "Semblance of Merit", Dissent Says, 1150
Rule Changes Sought by B. of L. E., 188
Switchmen Seek Changes in, 512, 619, 659, 844, 1009, 1054, 1097, 1258
Who Says "There Ain't No Featherbedding"?, 220
Management:
Kind of Leadership We Need, The, 335†
Proper Use and Maintenance of Maintenance of Way Work Equipment, 682†
Railroads Still Have a Job of Pioneering to Do, 1113†
R. L. E. A. Suspends Cooperation with, 1261
Why Some Railroads Have Been Doing Well in Generally Unfavorable Environment, 862*
Management and Labor Executives Meet, 453
Manganese Trackwork; J. A. Fellows on, 557
Manitou and Pike's Peak Completely Dieselized, 1095*
Manufacturing in Shops, P. & S. Div. Report on, 1253
Map Digest of Rate Increases Issued by C. & E. I., 769
Maps Showing the Routes of the Overnight Fast Freights, 984*
"Mark Sensing" Device for Use with Tabulating Equipment, 38
Marlow Pumps, Improvements in, 484*
Maryland Title Tax on Motor Vehicles Held Valid by Supreme Court, 1148
Masonry, A. R. E. A. Report on, 558
Massachusetts Institute of Technology, Transportation Courses Given at, 267‡
Mast, Telescopic, for Converting Platform Trucks for Use with Overhead Tow System, 1178*
Material Classification, Standard, P. & S. Div. Report on, 1250*
Materials and Supplies:
Diesel Parts, Purchasing and Storing of, P. & S. Div. Report on, 1244*
Inventories (See Inventories)
Maintenance of Way and Construction, P. & S. Div. Report on, 1251*
Price Index, 1939-49, 50
Price Index Revised by B. R. E., 1260
Purchases (See Purchases)
Standardization of, P. & S. Div. Report on, 1250*
Surplus, Merchandising of, P. & S. Div. Report on, 1256*
Testing of; R. E. Coughlan on, 586*
Materials Handling:
P. & S. Div. Report on, 1252*
Unit Load Handling to Increase in 1950, 20*
Unit Loads, P. & S. Div. Report on, 1252*
McCulloch Lightweight Portable Pump, 499*
Mechanical Refrigeration (See Refrigeration)
Mechanics, Railroad, 864 G. I.s Still Training as, 1206
Mechanization, Benefits of; P. M. Shoemaker on, 448
Mechanized Handling (See Freight Handling; Materials Handling; Office Equipment)
Meco Rail Layer, Improvements in, 500*
Meco Yard-Type Rail Lubricator, 496*
Medal (Carnegie) Awarded to E. R. Irish, 275
Medal of Honor Awarded to C. H. Golden, Jr., 1014
Medical Cars on the C. N. R., 1129*
Meetings and Conventions, 282, 677, 1101
Merger: O. C. Duryea Corporation-Hulson Company, 808
Meter, Bowser Rotary, 486*
Mexican Railways:
On the Mend in 1949, 44*
Young, R. R., Makes Study of, 278, 562*
Young, R. R., Offers to Sell Open-Section Sleeping Cars to, 562*
Mexico:
Railway Construction in 1949, 101
Railway Mileage Abandoned in 1949, 103
Mid-States Gummed Paper Company: "Tape-Strap", 1123*
Mid-West Shippers' Advisory Board Meetings, 243, 804
Midwest Transfer Company: Conversion of Operations Into Common Carrier Services Held Unlawful by I. C. C., 565
Mileage Abandoned in U. S., 1917-1949, 102*
Mileage Built in U. S., 1830-1949, 92
Mileage, Empty Car, I. C. C. Study of, 319
Mileage in Receivership or Trusteeship, 67
Mine Safety Appliance Company: Chemox Breathing Apparatus, 701*
Miner Truck Spring Snubber, 594*
Minneapolis & St. Louis: Office Building to be Built in Minneapolis, 933*, 1210 (Correction)
Minneapolis, St. Paul & Sault Ste. Marie:
Fined for Elkins Act Violation, 1010
Floods in Valley of Red River of the North, 845
Snow Plow, 1500-Hp. Rotary, 511*
Minnesota Mining & Manufacturing Company:
Railroad Uses for Scotchlite, 338*
Scotchlite Lettering Film, 485*
Mississippi River, Cost of Providing Channels for, 227
Missouri-Illinois: N. S. C. Contest Winner, 1097
Missouri-Kansas-Texas:
Debt Adjustment Plan Disapproved by I. C. C., 286, 1210
Industrial Development Program, 620
Missouri Pacific:
Dieselization of Divisions to be Extended, 152
Expenditures for Rail and Track Materials, 284
"Family" Traffic Conference Held at St. Louis, 767
Fined for Elkins Act Violation, 364
Improvement Program, 417
Outdoor Advertising Campaign, 921*
Reorganization Proceedings, 160; Senate Committee Hearings on Wiping Out of Stockholders, 620, 659, 807, 1061
Station, New Freight, to be Built at St. Louis, 602*
Supreme Court Rules That Issuance of a Through Bill of Lading From Point of Entry to Final Destination Within This Country Makes Carrier Liable Under the Carmack Amendment to the Interstate Commerce Act, 564
Ties, Treated, Savings Due to, 878
Tip Top Hill Line-Change Project, 170*
Model of a P. R. R. E-6 Atlantic Type Locomotive, 848*
Monongahela Connecting: Strike Caused by Firing of Conductor Involved in Bomb Incident, 240
Monopolies: Railroads are Monopolies, Says A. K. Atkinson, 80
Monopoly Practices in American Industry, House Judiciary Subcommittee Investigation of, 926
Monorail System Proposed by J. A. Hastings, 1052
Monroe Hydraulic Lift Mounted on Dodge Power Wagon, 483*
Montana, Wyoming & Southern: Debt Adjustment Plan, 246
Montpelier, Vt. "Evening Argus": Subsidies, 381
Montreal Locomotive Works:
Diesel Locomotive Plant Expansion, 192*
First Streamlined Diesel-Electric Locomotive, 892*
Motion Pictures:
N. & W. "Operation Fast Freight", 709*
"Rock Island Trail", 845*, 1153*
"Thundering Rails", Documentary Film, 632, 1206*
"Ticket to Tomahawk" Filmed on D. & R. G. W., 567*
Motor Carrier Applications:
I. C. C. Will Limit Hearings on, 751
Senate Committee on Interstate and Foreign Commerce Questions Granting of Without Adequate Consideration, 512
Motor Carrier Operating Rights, I. C. C. Revises Rules Governing Transfer of, 106
Motor Carrier Rates:
Agreements with Freight Forwarders; Date of I. C. C. Order Postponed, 451
N. Y.-Philadelphia Truckers Get Minimum Rate Order from I. C. C., 930
Motor Carriers:
Asked to Drop "Volume Minimum Weights", 362
Common Carrier Truckers File Rate Procedures Agreement with I. C. C., 452
Earnings in 1949, 1048
Household Goods Carriers' Bureau Rate Pact Approved by I. C. C., 769
How Trucks Fare After Railroads are Socialized, 1087
Maryland Title Tax Held Valid by Supreme Court, 1148
New York State "Thruway" to Aid, 637†
Testimony Before Subcommittee of House Committee on Interstate and Foreign Commerce Holding Hearings on the Transportation Situation, 461, 523
Testimony Before Subcommittee of Senate Committee on Interstate and Foreign Commerce Holding Hearings on Domestic Land and Water Transportation, 799, 1145, 1201, 1260
To Seek Further State Reciprocity and Tax Privileges, 1275
Truckers Evade Reponsibilities, 990*
Truckers Expect Big Year, 239
Motor Cars (See Cars, Special)
Motor Truck Industry in 1949, 105
Motor Truck Information Service to be Issued by Mack Trucks, Inc., 1161
Motor Truck Operations:
G. N. Allowed to Extend Routes, 452
Long-Distance Trucking, Grain Interests and Railroads Seek Probes of, 751, 886, 1094; B. of R. T. Seeks, 1205
Tractor Relay System Speeds Through Service, 565
U. P. Extends Mail-Express Service, 413
Motor Truck Overloading:
"Arrogant" Truckers Flout Weight Limits, 185
How to Curtail Quickly, 585†
Louisiana, Overloading in; N. E. Lant on, 261; 560*
Lyne, James G., on, 218
New Jersey Increases Penalties for, 1053

GENERAL INDEX—Continued

[*Illustrated articles are indicated thus*; Editorials thus†; Letters to Editor thus‡*]

Motor Truck Overloading:—*(Continued)*
Newark, N. J. "Sunday News" Editorial on, 274
Phelps, A. H., on, 597*, 705, 1275
Report of A. A. S. H. O. Subcommittee on Overloads, 260
Truckers Evade Responsibilities, 990*
Motor Truck Propaganda, Teamsters' Union Asks Drivers to Support, 1151
Motor Truck Subsidies; J. G. Lyne on, 214*; G. S. Prince on, 279; D. I. Mackie on, 799
Motor Truck Traffic:
Monthly: November, 193; December, 365; January, 578; February, 754; March, 931; April, 1204
Quarterly: Fourth Quarter 1949, 625; First Quarter 1950, 1204
Year 1949, 768
Motor Vehicle Size and Weight Limitations: (See also Motor Truck Overloading)
Bill to Remove from the States the Power to Limit, 1010
Lyne, James G., on, 216*
New Jersey Cuts Axle-Weight Limits, 1053
Railroad Hour Comment on, 127
Road Block—American Style, 415*
Motor Vehicle Taxes in New York State, Study of, 445
Movies (See Motion Pictures)
Multigraph Machines, New Addressograph, 269*
Multiple-Unit Diesel-Electric Trains, Economics of, 786*

N

Nalco H-170 Weed Killer, 493*
National Aluminate Corporation: H-170 Weed Killer, 493*
National Association of Manufacturers: J. T. Thacher Succeeds Holcombe Parkes as Vice-President, 153
National Association of Railroad Women: Regional Meeting Held at Cincinnati, 756
National Association of Shippers' Advisory Boards:
Clean Car Poster, 194*
Perfect Shipping Campaign, 462, 585, 608*, 626, 848, 924*, 931
National Carbon Company: AWE Wheel Flange Lubricating Rods, 838*
National City Bank of New York: Comparative Earnings of the Railroads, the Electric Utilities and Manufacturing in Per Cent of Net Assets, 1926-49, 681*†
National Defense: Need for Stronger Railroads in Event of War Stressed on F. R. P. Television Program, 464
National Defense Transportation Association:
Chicago Chapter: Officers, 851
Columbus Chapter Organized, 1018
Indianapolis Chapter: Officers, 1018
National Federation of Financial Analysts Societies, Railroad Forum Held by, 447, 736*, 862*
National Income; P. H. Van Hoven on, 469
National Income in 1949, Railroads' Contribution to, 797
National Industrial Traffic League:
Car Shortage Discussed with Car Service Division, 1273
Membership Split on Eastern Railroads L. C. L. Rate Proposals, 579
Special Meeting Called, 366, 579
National Lumber Manufacturers' Association: Investigation of Mechanical Damage to Ties, 550
National Malleable & Steel Castings Company: Annual Report, 625
National Mediation Board:
Annual Report for 1948-49, 150
Appropriation for 1950-51, 147
Conferences on Switchmen's Demands for a 40-Hour Week, 1054, 1097
Douglass, Frank P., Resignation of, 464
Edwards, Leverett, Appointed to, 804*
Employee-Representation Election, 804
Noonan, J. J., Death of, 1275
O'Neill, F. A., Jr., Reappointed to, 155, 194
Scott, J. T., Named Chairman, 1278
Trainmen's and Conductors' Demands for Rule Changes and a 40-Hour Week for Yard Service Employees; Mediation Fails, 189, 361
National Military Establishment:
Civilian Components Policy Board:
Burgess, E. G., Named Chairman, 805, 923
Farley, W. T., Praised by, 923
National Railroad Adjustment Board:
Appropriation for 1950-51, 147
Decisions Hit by Railroads, 803
First Division:
Award to D. & R. G. W. Switchman Lacks "Semblance of Merit", Dissent Says, 1150
Status of Cases, 150
Supreme Court Rules Interpretation of Working Agreements Must Be Settled by, 1015
National Railway Appliances Association:
Agreement with T. S. A. and B. & B. S. M. A. on Exhibits, 190
Board of Direction, Members of, 544*
Statement of H. M. McFarlane to Members of A. R. E. A., 479
National Railways of Mexico: Review of Operation in 1949, 44*
National Rivers and Harbors Congress: Seeks to Limit the Degree to which the I. C. C. Can Grant Railroads Fourth Section Relief in Connection with Water-Competitive Rates, 703
National Safety Council:
Award Won by *Railway Age*, 843
Chicago Offices Moved, 1017
Railroad Safety Contest Winners, 1097
Need for Railroads Less Than in the Nineties, Says J. Howard McGrath, 237
Net Income:
General Motors Earns More Than the Entire Railroad Industry, 167†
Monthly: October, 330; November, 450; December, 708; January, 932; February, 1151
Year 1949, 47, 406
Net Railway Operating Income:
How Increase Net Operating Income?, 295†
Year 1949, 47, 406
Netherlands, Railroad Statistical Center Established in, 1207
Netherlands Railways to Acquire Electric Locomotives, 156
New England Railroad Club:
Officers Elected, 568
Some Problems of Our Railroads' Customers, 562
New England Shippers' Advisory Board:
Freight Loss and Damage Prevention Committee, Meetings Held by, 677, 848
Silver Anniversary Meeting, 617
New Jersey & New York: Commutation Fare Increase Granted by I. C. C., 513
New Jersey Cuts Truck Axle-Weight Limits; Increases Overloading Penalties and Registration Fees, 1053
New Jersey, Motor Truck Overloading in, 274
New Jersey Railroad Taxes Compared with Highway Deficit, 176*
New Jersey Railroads Granted Commutation Fare Increase by I. C. C., 513
New Orleans Union Passenger Terminal:
Contract for Express Facilities, 809
Employee Job-Protection Conditions; Supreme Court Ruling on, 657
New York Air Brake Company: Diversification of Products Undertaken, 145
New York Central:
Accounting Processes to be Improved in 1950, 39
Annual Report, 811
B. of L. F. & E. Strike Settled, 921, 1005, 1028†, 1045*
Cars, Budd Diesel Rail, in Service on B. & A., 285, 847, 1147
Cars, Commuter, 1150*
Cars, Freight, Leased Under Equitable Life Assurance Society Plan, 1104
Concession Revenues, Finding Money in, 910*
"Custom-Made" L. C. L. Schedules for Customers, 610*
Fined for Exceeding Chicago Speed Limit, 424
Interline Ticket Accounting, Machines for, 224*
Locomotives, Diesel-Electric, Ordered, 324
Locomotives, 503 Steam, Scrapped, 316*
Merchandise Car Schedules, New Issue of, 620
Northern Indiana Chapter of R. & L. H. S. Given Condensed Course in Diesel Locomotive Operation, 282*
"Pacemaker" L. C. L. Service Extended, 751
Second Morning New York-Chicago L. C. L. Service, 751
Strike of Operating Unions Postponed, 1056
Television Spot Announcements, 515*
35 Per Cent Dieselized or Electrified, 848
Transcontinental Sleepers Now All-Room Cars, 280
Weehawken Ferry Fares Increased, 513
New York, Chicago & St. Louis:
A. A. R. Membership Resumed, 409
Cars, Bedroom-Diner-Lounge, 1144*
Cars, New Passenger, Placed in Service, 360*
Cars, Sleeping, New Features in, 360*
N. S. C. Contest Winner, 1097
Supreme Court Ruling in Car Coupling Accident Case, 620
New York City Lighterage Fees, I. C. C. Reverses Decision on, 188
New York, New Haven & Hartford:
Automobile Unloading and Storage Facility in the Bronx, N. Y., 369
Cancellation of Pick-Up and Delivery of L. C. L. Freight at 56 Points Approved by I. C. C., 927
Cape Cod Summer Service, Plans for, 239
Car Records System Mechanized, 356*
Dumaine, F. C., New President of, 233*
Fares, Low Week-End Night Coach, to be Tried, 526
F. R. P. Passenger Service Award Won by, 1034*
Old Colony Passenger Service, Supreme Court Won't Review Case Involving Cut in, 900
Shopping Center Planned at Mount Vernon, 323, 696*
Soda-Luncheonette in New Haven Station, 1056*
Stations, Passenger, Sold, 417, 570, 696*, 1014, 1205*
Trains for Yale-Harvard Boat Race, 1058
New York, Ontario & Western:
Reorganization Proceedings, 419
Sale of Property, 286, 1155, 1266
Strike of Operating Employees, 275, 286
New York Railroad Club:
Heavier Pay Loads Can Raise Net, Says F. R. Dick, 847, 882
Rectifier-Type Locomotive for the P. R. R., 589*
Roy V. Wright Essay Contest, 239, 1274
What the Railroads' Acute Problem is—What Their Friends Can Do to Help, 214*
New York Skal Club: Officers, 1018
New York Society of Model Engineers:
Annual Exhibit, 848*
C. N. R. Exhibit Dedicated, 415
New York State:
Effect of St. Lawrence Seaway on, 191
Highway Finance, Study of, 445
"Thruway" to Aid Cross-State Trucking, 637†
New York State Public Service Commission: Safety Inquiry on Long Island Signals, 451
New York, Susquehanna & Western:
Budd Diesel Rail Car Tested on, 845
Controversy Over First Dieselized Railroad, 691‡
Derailment Attempts, Precautionary Measures Taken Against, 452
New York Times: Comment on B. of L. F. & E. Strike, 982
Newark, N. J. "Sunday News": Editorial on Motor Truck Overloading in New Jersey, 274
Nigeria; Plan to Extend Nigerian Railway from Nguru to Maiduguri, 323
No-Creep Rail Anchor Improved, 492*
Nordberg Manufacturing Company:
Spike Hammer, 1950-Model, 497*
Tie Sweeper, Power, 482*
Track Cleaning Machine Developed on E. J. & E. to be Manufactured by, 486*, 684*
Wrench, 1950-Model "DW", 498*
Norfolk & Western:
Annual Report, 758
Better Service Conference, 801*
"Cavalcade of America" Program to Feature, 767
Industries Pay Off on Secondary Line, 613*
Locomotive, 2-6-6-4 Roller-Bearing Equipped, 106*
Locomotive, 4-8-4 Type, 1259*
Locomotives Bought from C. & O., 566, 661
N. S. C. Contest Winner, 1097
"Operation Fast Freight" Motion Picture, 709*
Steam Locomotive Performance, 267‡
Stores Accounting Done by Machine, 1122*
Union Shop and Check-Off Bill Opposed by Freight Traffic Employees, 1006
Where Traffic Runs Above and Below Tracks, 362*
Northern Pacific:
Car, Gas-Electric Motor, Dieselized, 1041*
Fined for Elkins Act Violation, 1010
Floods in Valley of Red River of the North, 845
Locomotive, Diesel-Electric, 11 Units Long, 452*
Snow Plow, Bros Rotary, of Unique Design, 688*
Northwest Shippers' Advisory Board Meeting, 278

O

Office Equipment:
Addressograph Multigraph Machines, 269*
Bookkeeping Machines Supersede Pens, 38*
Burroughs Sensimatic Accounting Machine, 1125*
C. P. R. Speeds Car Tracing, 311*
Duplicating Process, New, Used by Pullman, 1120*
Folco Dictating Machine, 1124*
I. B. M. Electronic Calculators, 889*
Machines for Interline Ticket Accounting, 224*
New Developments Promise Relief From High Cost of Station Paperwork, 1080*
N. Y. N. H. & H. Car Records System, 356*
N. & W. Stores Accounting Done by Machine, 1122*
Office Methods Group Pays Its Way on B. & O., 353*
Southern Filing System, 1118*
Underwood Adding Tabulator, 1124*
Underwood Fanfold Writing Machine Features Automatic Retraction of Carbon Paper, 1124*
Underwood Typewriter Ribbon, 1124
Weber Recordo-Print Adaptor, 1123*
Wheeldex Telephone-Base Card File, 1125*
Office Methods Group Pays It Way on B. & O. 353*
Office Operations, A. A. R. Freight Station Section Report on, 1189
Oil:
Burning Oil May Be Cheaper, 336†
Diesel Crank Case Lubricating, Reclamation of, P. & S. Div. Report on, 1249
Railroad Consumption, 1945-49, 1247
Oil Sprayer, Fairmont W72 Series A, 482*
Oil Well, C. & N. W. to Get Royalty and Traffic from, 1148
Old Colony: Supreme Court Won't Review Case Involving Cut in Passenger Service, 900
Onan, D. W., & Sons, Inc.: Portable Floodlights, 497*
Operating Efficiency:
A. & St. A. B. Terminal Improvements Pay Their Way, 134*
C. & N. W. West Chicago, Ill.-Nelson C. T. C. Installation, 692*
Economies from Improved Technologies, 448
Expediting Movement of Freight Trains Through Yards, 1193
Freight Car Efficiency, Ways of Increasing, 1192
Freight Performance in 1949, 30*, 59, 465, 957
Good Light Repair Tracks and Business, 532†
Heavier Pay Loads Can Raise Net, 847, 882
Locomotives, Diesel, Held a Primary Factor in Improved Financial Position of C. G. W. and C. & N. W., 1098
Office Methods Group Pays It Way on B. & O., 353*
Savings Due to; Railroad Hour Comment, 352
Why Some Railroads Have Been Doing Well in a Generally Unfavorable Environment, 862*

Operating Studies:
B. & A. Set to Beat the Competition, 392*, 399*
General Foods' Merchandise Distribution Plan, 604*
Riding the B. & O.'s "Time-Saver" to Make "Chicago Second-Morning" Deliveries, 979*
U. P. Fast Livestock Train, 774*
Why Some Railroads Have Been Doing Well in a Generally Unfavorable Environment, 862*
Operation, Railway, A. R. E. A. Report on Economics of, 555
Order of Railway Conductors:
Forty-Hour Week for Yardmen; Some Rule Changes Granted, 189, 361, 451, 511 (Issues Under Discussion); 564, 621, 706, 751, 803, 846*, 883, 927, 1202, 1221†, 1238* (Emergency Board Report; Cost of Changes); 1258
Hughes, R. O., Succeeds H. W. Fraser as President, 1009, 1087*
Pullman Conductors Set Strike Date; Defer Walkout, 753
Organization Needed to Handle Work Equipment, 549
Organization of Railroads: P. R. R. Merges Two Western Divisions, 1097
Orton Folding Leads for Pile Drivers, 498*

P

P & H Zip-Lift Hoists, 484*
Pacific Coast Borax Company:
Borascu Weed Killer, 488
Nonflammable Chlorate Weed Killer, 484
Pacific Coast Transportation Advisory Board:
Clean Car "Flyer", 545*
Meeting, 624
Pacific Coast Wholesalers' Association, Supreme Court Overrules I. C. C. on Status of, 331
Pacific Fruit Express: Hot Water Speeds De-Icing of Refrigerator Cars, 266*
Pacific Intermountain Express Company Plan to Acquire Keeshin Freight Lines Opposed by Railroads, 361, 413; by Grain Organizations, 752; I. C. C. Proposed Report, Recommending Approval, Withdrawn Because of Court Order, 1094; I. C. C. Proposed Report Re-issued, 1147, 1205
Package Tester, Porcelain Enamel Institute, 269*
Packaged Lumber, P. & S. Div. Report on, 1248
Packing Requirements for Journal Boxes, A. A. R. Mech. Div. Tests for, 1230*
Packing Retainers; Value in Preventing Hot Boxes Tested by A. T. & S. F., 1088*
Pad, Burkart Tie, 481*
Pad, Rubber Rail Seat, 492*
Paint, Sherwin-Williams Carclad, 838*
Painting, Eclipse Extension Spray Gun for, 482*
Paints, Waterproofing, for Minimizing Structural Concrete Deterioration, 558
Pakistan to Accept Bids for Freight Cars, 157
Pallets:
Containers More Useful Than, 21*
D. L. & W. Use of Specialized Devices, 606*
Pan-American Railway Congress: U. S. National Commission Recommends U. S. Participation in Next Congress, 320
Paper Tape, High-Strength Gummed, 1123*
Parcel Post Rates, House Approves Bill to Increase, 360
Passenger Business: (See also Passenger Service Losses)
Air Lines' Efforts in 1949 to Increase, 105
Amount Handled by Credit Card Plan, 29
Curtis Vacation Travel Survey, 1205
Erie's One-Cent Return Fare Increases, 928
Great Northern Train-Mile Earnings Aided by Seattle-Vancouver Fare Cut, 1098
Ratio of Air Lines to Railroads, 750
Review of Year 1949, 28*
Streamliners as Producers of, 433*
Passenger Fares:
Air Coach Economics; United Air Lines on, 1149
C. & N. W. Seeks Commutation Increases, 240, 275, 320
Comparative Rail, Air and Bus, Between Los Angeles and San Francisco, 699*, 1149
D. L. & W. Cuts Suburban Round-Trip Fares, 1161
Erie Tries One-Cent Return Fare, 928
Great Northern Train-Mile Earnings Aided by Seattle-Vancouver Cut, 1098
H. & M. Granted Increase by I. C. C., 513
Increase Since 1939, Amount of, 51
New Jersey Roads Granted Commutation Increases by I. C. C., 513
N. Y. N. H. & H. Low Week-End Night Coach Fares, 526
Review of Year 1949, 28
Weehawken Ferry Fares Increased by I. C. C., 513
Passenger-Miles:
Railroad Proportion in 1948, 28; in 1949, 705
Ratio of Air Line to Railroad, 750
Years 1945-49, 47*
Passenger Reservations:
Coach-Seat Reservations Case, Hearings on, 321
"Intelex" System Used on P. R. R., 1203*
P. R. R. Reduces Coach Seat Charge, 849
Practices of Railroads and Pullman Company, I. C. C. Report on, 1259
Passenger Service:
A. T. & S. F. Chicago-California Service, Changes in, 463
C. P. R. Expands Calgary-Edmonton Service, 849
C. & O. Reinstates Tipping, 1100
C. M. St. P. & P. Midnight Snack Service, 1145
Credit Card Plan, Status of, 29
Credit Cards—A Shipper's Experience, 408‡
N. Y. C. Transcontinental Sleepers Now All-Room Cars, 280
N. Y. N. H. & H. Cape Cod Summer Service, 239
Passenger Service:—*(Continued)*
Old Colony; Supreme Court Won't Review Case Involving Cut in Service, 900
Oldest Continuously Operated Run in U. S. Abandoned by B. & O., 412*
P. R. R. Issues Timetables in Advance of Schedule Changes, 902†
P. R. R. New Harrisburg-Erie Sleeper Service, 564
P. R. R. Service to Northern Michigan Improved, 900
Railroad Productivity in 1948, Department of Labor Report on, 279
Sleeping Cars, New, on Trains to the South, 849
Surburban Service:
Economics of Diesel-Electric Multiple-Unit Trains, 786*
I. C. Losses Confirmed by Price, Waterhouse & Co., 1009
N. Y. C. Commuter Cars, 1150*
Western Union "Charge It" Plan for Rail Passengers, 1203
Passenger Service Costs, I. C. C. Formula for Assigning, 1165†
Passenger Service Losses:
Deficit for Year 1949, 1007, 1047, 1257
I. C. Suburban Losses Confirmed by Price, Waterhouse & Co., 1009
Reading Shows Losses in Advertisement, 355*
Shippers and Unprofitable Passenger Service, 1165†
W. P. Withdraws "Royal Gorge" Because of, 361
Passenger Stations (See Stations, Passenger)
Passenger Traffic: (See also Passenger Business)
Air Line; Increase in 1950 Estimated, 461
"Fly-By-Day" Air Lines in California Encroach on Existing Carriers' Traffic, 699*, 1149
Grand Central Terminal, in 1949, 275
Railroad Proportion in 1948, 28; in 1949, 705
Review of Year 1949, 28*
Passenger Transportation Tax:
Reduction Favored by President Truman, 238, 319; by House Ways and Means Committee, 888, 1147
Repeal of Urged, 409, 412
Passes (See Free Transportation)
Pecos Valley Southern: R. F. C. Loan Approved by I. C. C., 519
Pennsylvania:
B. of L. F. & E. Strike Settled, 921, 1005, 1028† 1045*
Capital Expenditures Made in Last 10 Years, 1098
Cars, Freight, Leased Under Equitable Life Assurance Society Plan, 1019
Cars, GAEX Box, to be Leased by, 1055
Cars, New Sleeping, on "South Wind", 849
"Cincinnati Limited" Re-Equipped, 624
Commutation Fares Increased in New Jersey, 513
Containers, Aluminum-Covered Plywood, 389*
D. T. & I. Acquisition Approved by I. C. C., 894, 1155
Explosion at South Amboy, N. J., 1098
Fined for Exceeding Chicago Speed Limit, 424
Harrisburg-Erie Sleeping Car Service, New, 564
"Indianapolis Limited" Inaugurated, 1261
"Intelex" Passenger Reservation System, 1203*
"Keystone" L. C. L. Service, 274, 387*, 563, 1202*
Locomotive, E-6 Atlantic Type, Model of, 848*
Locomotives, Rectifier-Type, 589*
Locomotives, 2500-Hp. Diesel Switching, 1127*
Meals, One-Entree, Prove Popular, 278, 725
Passenger Schedules Speeded Up, 899
Passenger Service to Northern Michigan Improved, 900
Pittsburgh Terminal Improvements, 809
Pyrene Automatic Air-Foam Fire-Protection System, 644*
Rail, Economic Value of Various Sizes of, 533†, 553, 554
Reservation Charges on Coach Seats Cut, 849
Rooms for Overnight Travel Top 3200, 579
School for Purchases and Stores Department Employees, 1245
Station, Akron Union, 726, 1042*, 1130*
Steam Drum, Large, Handled by, 1005*
Tax Payments in Pittsburgh; J. A. Appleton on, 296
Timetables Issued in Advance of Schedule Changes, 902†
Trains Consolidated, 1261
Tugboat "Newark", 149*
Western Divisions, Two, Merged, 1097
Per Diem:
Plan to Make Short Line Cars Earn Per Diem, 928
Rate Developments, 52
Upward-Graduated Rate, Difference of Opinion on, 27, 950†, 971
Perfect Shipping Campaign:
National Management Committee, Members of, 609
New England Shippers' Advisory Board; Meetings Held by the Loss and Damage Prevention Committee, 848
Program Held in Dayton, Ohio, 931
Schwietert, A. H., Named General Chairman, 462
Seven Points for Perfect Shipping, 585
Tools Being Sharpened for Annual Drive, 608*
Traffic Club of Newark, N. J., Sponsors "Perfect Shipping Clinic", 626, 924*
Perishable Handling:
Link-Belt Rico Car Icers for, 732*
Protective Service Against Cold in the East; Date of Order Postponed by I. C. C., 321; Charges Modified, 710
Perishable Loss and Damage Course at Purdue, 567
Peru: Proposed Tambo de Sol-Pucallpa Railway, 756
Petroleum Resources, Conservation of, 191
Physical Properties, Improvements Needed in, 556
Pick-Up and Delivery Service: Cancellation of L. C. L. Service at New England Points Approved by I. C. C., 927
Pier, Coal, at Newport News, Va.; C. & O., 382*
Pier, Import Ore, B. & O. to Build, 159*, 368, 457, 706*
Piers and Wharves, Fire-Resistant Qualities of Pressure-Creosoted Piles and Timbers in Substructures of, 879
Pile Drivers, Orton Folding Leads for, 498*
Pile Hammer, Syntron Diesel, 485*
Pipe, Yoloy Continuous Weld, 839*
Pipe, Young & Greenawalt Deeper Corrugated Sectional-Plate, 502*
Pits, Under-Car Inspection, A. R. E. A. Report on, 551*
Pittcomatic Unit for Opening and Closing Doors, 1126*
Pittsburgh Plate Glass Company: Pittcomatic Unit for Opening and Closing Doors, 1126*
Plant Maintenance Show to be Held in Cleveland, 154
Plastic Freight Car Flooring Used on W. P., 1180*
"Plastinail" Freight Car Flooring Used on W. P., 1180*
"Plastiplate", Remington Rand, 1120*
Plows (See Ballast; also Snow)
Plywood Containers, Aluminum-Covered; P. R. R., 389*
Political Injustices Piled Upon the Railroads, Is There Danger In Too Much Emphasis on, 531†
Politicians are Not to Blame for Transportation's Troubles, 1027†
Polybor-Chlorate Weed Killer, 484
Poor & Co.:
Annual Report, 664
Enters Highway Field, 1262
Porcelain Enamel Institute:
Package Tester, 269*
Safe Transit Program, 269*, 348*, 1011
Porcelain Enameled Ware, Damage to; H. L. Cook on, 348*
Port of New York Authority: How One State Agency Helps the Railroads' Competitors, 306*
Porters' Service Conferences, Pullman, 428*
Portugal: Railroad Equipment Program, 1207
"Postalized" Transportation; J. A. Hastings on, 1052
Posters, Travel; A. T. & S. F., 707*
Potato Traffic on the B. & A., Handling of, 392*, 399*
President Truman:
Budget Message, 147, 148
Economic Message, 148
Plans for Reorganizing Variouus Federal Agencies Submitted to Congress, 561, 806, 845, 930, 1052
State-of-the-Union Message, 148
Tax Message, 238, 319
President's Council of Economic Advisers: Annual Economic Review, 148
Pressed Steel Car Company:
Annual Report, 659, 664
Cars, Freight, Two New Types of, Designed, 659
Price, Waterhouse & Co.: I. C. Suburban Service Losses Confirmed by, 1009
Prices:
Agricultural Commodities; Relationship of Rates to Market Prices; E. Limmer on, 889
Equipment Prices in 1949, 79
Freight Car, 381†
Material Price Index, 1939-49, 50
Material Price Index Revised by B. R. E., 1260
Materials, in 1949, 12*
Stock and Bond, Railroad, in 1949, 64*
Stock, Railroad, in Per Cent of Average Price of Industrial Stocks, 379*†
Pricing Doctrine, F. T. C. (See Federal Trade Commission Pricing Doctrine)
Printing, P. & S. Div. Report on, 1254*
Private Enterprise (See Free Enterprise)
Productivity, Railroad:
Department of Labor Report on, 279
Ton-Mile Output Per Dollar of Wages, 1047
Property Investment and Capitalization, 1927-48, 65
Public Address System Suspended in Grand Central Terminal, 156*
Public Discussion of Transportation Ills Be Shut Off, Should, 583†
Public Opinion and the Railway Unions, 1221†
Public Opinion, Need for an Informed; J. H. Aydelott on, 544
Public Relations:
A. C. L. Thanks Colored Passengers for Patronage, 305*
B. & O. "Railroad 'Rithmetic" Books, 621
Community Relations; Carlton Sills on, 297
Pullman Service Conferences, 428*
Rail and Labor Executives Discuss, 453
R. E. A. Appoints Supervisors of Employee and Public Relations, 281*
What Suppliers Can Do and Are Doing to Help, 219
Pullman Company:
Cars Modernized; "Elm", "Oak", "Ash" and "Locust" Series, 1090*
Conductors Set Strike Date; Defer Walkout, 753
Division Winners of N. S. C. Awards, 1097
Duplicating Process, New, for Producing Maintenance Manuals, 1120*
I. C. C. Report on Reservation Practices, 1259
Service Conferences for Conductors and Porters, 428*
Pullman, Inc.: Annual Report, 850
Pullman-Standard Car Manufacturing Company:
Ballast Cleaner, Improved, 496*, 500*; Organization of Forces for Use with, 547
Economics of Diesel-Electric Multiple-Unit Trains, 786*
G. E. "More Power to America Special", 316, 622*, 832*
N. Y. C. & St. L. New Streamline Cars, 360*
Orders and Deliveries in 1949, 850
Strike at Michigan City Plant, 1058, 1147
To Build Freight Cars Under Equitable Life Assurance Society's Financing Plan, 657, 712, 891, 1019, 1060, 1104
"Train X" Development Carried on with C. & O., 661
Pulpwood Handling Costs Cut by Special Cars and Car Dumper, 866*
Pumps, Alta Centrifugal, 499*
Pumps, Marlow, Improvements in, 484*
Pumps, McCulloch Lightweight Portable, 499*

GENERAL INDEX—Continued

[*Illustrated articles are indicated thus**; *Editorials thus†*; *Letters to Editor thus‡*]

Purchases:
Equipment Buying "Booms", 949
Maintenance of Way Work Equipment in 1949, 18*
Monthly: October, November and December, 62; January, 742; March and First Quarter, 1135
Traffic Losses Reduce '49 Materials Buying, 12*
Year 1949 (*Railway Age* Estimate), 61
Years 1940-49 (A. A. R. Figures), 57; Years 1923-49, 743
Purchases and Stores Department Employees, Course of Study Suggested for, 1245
Purchasing by Terminal Railways, P. & S. Div. Report on, 1254*
Purchasing Department Organization and Procedure, P. & S. Div. Report on, 1251*
Purchasing Department Records, New Filing System for; Southern Railway, 1118*
Purchasing of Diesel Locomotive Parts, P. & S. Div. Report on, 1244*
Purdue University, Perishable Loss and Damage Course at, 567
Pyrene Automatic Air-Foam Fire-Protection System on P. R. R., 644*
Pyrene Fire Extinguishers with Seamless Shells, 595*
Pyrene Gas-Charged Fire Extinguishers, 839*

Q

Questionnaires, Discretion Needed in Use of, 168†

R

Race Discrimination in Dining Cars Banned by Supreme Court, 1143
Radiant Heating in Passenger Cars, Principles of, 402*
Radio:
D. & R. G. W. Train Crash with Truck Averted by, 276
Erie Moves Trains by Radio in Emergency, 239
G. C. & S. F. to Install Microwaves, 892
Radio Award Won by "Railroad Hour", 676
Radio Broadcasts:
A. R. E. A. Program, 541
"Cavalcade of America" to Feature Story of Theodore D. Judah, 527; N. & W., 767
Louisville Railroad Smoke Abatement Association, 238*
"Radio-Rules" Bill, Status of, 53; House Gets Toned-Down Version of, 282
Radio Train Communication (See Train Communication)
Radio Transmitters, 2601, Operated by Railroads, 452
Radio Yard Communication (See Yard Communication)
Rail:
A. R. E. A. Report on, 533†, 553, 554
Corrosion-Resistant Coatings for, 502*
Economic Value of Various Sizes of, 533†, 553, 554
Estimate of Amount to be Laid in 1950, 476
Failure Statistics as of December, 1948, 553
Problem of; L. H. Winkler on, 554
Renewals, 1920-1949, 23*
Shelly Spots, A. R. E. A. Report on, 553
Sperry Ultrasonic Inspection Service, 441*, 480*
Welded; Summary of Installations in Service, 553
Welding Operations on C. S. S. & S. B. Viewed by A. R. E. A. Men, 753*
Rail Anchor, No-Creep, Improved, 492*
Rail Grinder, Railway Track-work P-44 Flexible Shaft, 485*
Rail-Highway Motor Car, Fairmont, 494*
Rail-Highway Rotary Snow Plow, 490*
Rail Joint Bar Failures, A. R. E. A. Report on, 553
Rail Joint Bar Service Tests, A. R. E. A. Report on, 553
Rail Joint Insulation, Rubber, 492*
Rail Joint Lubrication Service Tests, 557
Rail Layer, Meco, Improvements in, 500*
Rail Lubricator, Meco Yard-Type, 496*
Rail Seat Pad, Rubber, 492*
Rail Transportation Institute, Fifth, Cancelled, 751
Railroad General Agents Association of Cincinnati Organized, 712
Railroad General Agents Association of San Francisco: Officers, 367
"Railroad Hour":
Star Sings at Chamber of Commerce Dinner, 927*
Summer Show, 930
Voted Best Radio Operatic Program, 1278
Wins Radio Award, 676
"Railroad Hour" Comment:
Motor Vehicle Overloading, 127
Savings Due to Operating Efficiency, 352
Statement of W. T. Faricy on Postponement of B. of L. F. & E. Strike, 840
Railroad Retirement Account:
Appropriation for 1950-51, 147
Change in Method of Appropriation Recommended by President Truman, 147
Status of the, 57
Railroad Retirement Act:
Bills to Liberalize, 411
Fourth Actuarial Valuation of the Assets and Liabilities Under, 277
Marcantonio, Rep., on Need for Liberalizing, 411
Railroad Retirement Act Administration:
Annuities and Pensions in Force, 56
Payments Under, 56
Railroad Retirement Board:
Appropriation for 1950-51, 147
Fourth Actuarial Valuation Report on the Railroad Retirement System, 277
Harper, H. W., Nominated to, 1260
Study of Life-Expectancy of Railroaders, 726
Railroad Rubber Products, Inc.: Rubber Rail Seats and Insulated Joints, 492*
Railroad Scene Included in Broadway Musical, 279
Railroad Situation; Dr. J. H. Parmelee on, 705, 782*
Railroad Supply & Equipment, Inc.: Amesteam Generator, 489*
Railroad Unemployment Insurance Account, Status of the, 57
Railroad Unemployment Insurance Act Administration:
Payments Under, 57
Sickness and Maternity Benefit Payments, 57
"Railroad Week" Suggested, 632
Railroad Yardmasters of America: Granted 40-Hour Week, 710, 767, 883, 927, 1202, 1221†, 1238* (Emergency Board Report)
Railroading, University of Tennessee Offers Full Course in, 317*
Railroads' Handicaps, Is There Danger in Too Much Emphasis of, 531†
Railway Age:
Criticized for Complaining Too Much About Political Injustices Piled Upon the Railroads, 531†
Editorial on Delay in Mail Pay Increases Criticized by Commissioner Mitchell, 168†, 253†, 272, 354‡
"Most Generally Read" Magazine at Railroad Y, 691‡
Wins Award for Cover on April 29 Issue, 1233*
Wins National Safety Council Award, 843
Railway & Locomotive Historical Society:
Northern Indiana Chapter Given Condensed Course in Diesel Locomotive Operation by N. Y. C., 282*
Pacific Coast Chapter: Dinner Marks First Birthday of "California Zephyr", 623
Railway Business Association: Five-Point Fair Deal Program for Railroads, 800
Railway Business Women's Association: Officers, 851
Railway Express Agency, Inc.:
Alabama Intrastate Express Rate Adjustment Ordered by I. C. C., 1017
I. C. C. Denies Postmaster General Reconsideration of Finding of No Rail "Rates" on Express, 366
I. C. C. to Hear Petition on Pooling Arrangements to Refute Anti-trust Charge, 274, 1147
Power Conveyor at Atlanta Terminal, 780*
Rate Increase (10 Per Cent) Granted by I. C. C., 151, 276, 560
Revenue Apportionment Plan, I. C. C. Proposed Report on, 273, 706
Seminar for New Supervisors of Employee and Public Relations, 281*
Service from New York to Mid-, Southwest Speeded Up, 1148
Railway Labor Act:
Amendments Suggested by R. M. Drysdale, Jr., 886
Bill to Make Strikes Unlawful, 840, 891, 901†, 922, 1007, 1055, 1144, 1200, 1222†
Bills to Provide for Union Shop and Dues Check-Off, 619, 635†, 661, 806, 883, 925, 1006, 1048, 1096
Breakdown of the, 817†
D. & R. G. W.-B. of R. T. Dispute; Emergency Board Cites Union's "Unwillingness" to Accept Entire Act, 510
Increasingly Ineffective; Says W. W. Patchell, 1057; Gustav Metzman, 1092
Need for "Sanctions" Behind Decisions of Presidential Emergency Boards, 818†, 1029†
Richberg, Donald R., on, 802
Railway Labor Executives' Association:
Coal Conservation Order of I. C. C. Protested, 278
Cooperation with Management Suspended, 1261
Fraser, H. W., Death of, 1009
Leighty, G. E., Elected Chairman, 1097
Supreme Court Ruling on Job Protection Conditions in Consolidation Cases, 657
Railway Maintenance Corporation: Track Resurfacing Machine Combines Both Track-Raising and Tie-Tamping Operations, 494*
Railway Service & Supply Corporation: Tests for Journal Box Packing Requirements, 1230*
Railway Supply Industry:
Companies Enter New Fields, 143*
"Grass Roots" Attack on Socialism Launched, 277
Relationships with Railways' Materials Inspectors, 588
What the Railroads' Acute Problem Is—What Their Friends Can Do to Help, 214*
Railway Track-work P-44 Flexible Shaft Rail Grinder, 485*
Railways Ice Company: Car Icers Developed by, 732*
Ramps, Wayne Loading Dock, 504*
Rate Bureaus:
Georgia Equalization Rate Case, 1152, 1196
Rate Procedures Agreements (See Interstate Commerce Act: Section 5a)
Rate Making:
"Fetish of Relationships", 212
Georgia Equalization Rate Case, 1152, 1196
Quantity Ratings for L.C.L. and Any-Quantity Shipments Proposed, 1166†
Rate Procedures Agreements (See Interstate Commerce Act: Section 5a)
Rates to Move the Freight, 964*
Rate of Return:
Report of I.B.A. Railroad Securities Committee, 169
Year 1949, 47
Rate Structure:
Fetish of "Relationships", 212†
Guide Lines of the New British Rate Pattern, 39
Rates for a "Twilight Zone", 1166†
Rates to Move the Freight, 964*
Revision Needed; F. R. Dick on, 1093
Rates, Express (See Express Rates)
Rates, Freight: (See also Rate-Making; Rate Structure)
Adjustments Needed; H. H. Phelps on, 601
Agricultural Commodities; Relationship to Market Prices; E. Limmer on, 889
Barge-Rail Rate Differential Case, 106, 188, 27 366, 525, 844, 1058
Butler Brothers Reparations Claim Dismissed by I.C.C., 236
Canadian Rate Cases, Review of, 40
Canadian Roads Granted Increases, 191, 333, 451 526, 565, 661, 1057, 1147, 1202
Citrus Fruits, Lower, Need for, 239
Class Rate Case (See Class Rate Case)
Consolidated Freight Classification (See Consolidated Freight Classification)
D. & R. G. W. Seeks to Make U. P. Open Ogden Gateway, 316, 676
Divisions Readjustment Urged by F. R. Dick, 1094
F. T. C. Pricing Doctrine (See Federal Trade Commission Pricing Doctrine)
Fourth Section Relief on Inland-to-Florida Rates Revoked, 280; on Coal to New England, 849
Georgia Equalization Rate Case, 1152, 1196
Government Reparations Cases Involving Wartime Freight Bills, 275, 414, 615, 1006, 1050, 1097 1200
Grain Rates, Equalized Ex-Lake, to Eastern Ports Condemned, 1095
Heater Service for Perishables in East, I.C.C. Modifies Charges for, 710
Increases; I.C.C. Sets Schedule for Publishing Increases in Basic Tariffs, 363
Increases Since 1939, Amount of, 51
Increases Since 1946, C. & E. I. Map Digest of, 76
Iron and Steel, Eastern Roads Reduce, 450, 566 708, 798, 848
Iron and Steel Storage-Tank Materials; Reduction to Meet Competition, 769
L.C.L. Rate Case, Eastern, 362, 579, 888, 1097, 127
Lighterage Fees at New York, I.C.C. Reverses Decision on, 188
Livestock Rate Reduction Sought, 1276
National Rivers and Harbors Congress Seeks to Curb Railroad Efforts to Meet Water Competition, 70
Outlook for Reductions in, 31
Rate Advance Case (Ex Parte 162):
Illinois Intrastate Coal Rate Adjustment Ordered, 1017
Kansas Intrastate Adjustment Ordered, 411
Rate Advance Case (Ex Parte 166):
Alabama Intrastate Adjustment Sought, 242
Florida Intrastate Adjustment Recommended by I.C.C. Proposed Report, 242
Illinois Coal Rates, I.C.C. Investigations of, 769, 1017
Kansas Intrastate Adjustment Ordered, 411
Rate Advance Case (Ex Parte 168):
Alabama Intrastate Adjustment Sought, 242
Illinois Coal Rates, I.C.C. to Investigate, 769
Review of, 50
Rates to Move the Freight, 964*
R. F. C. Reparations Claim Denied by I.C.C., 189
Schwietert, A. H., on, 677
Sugar, Open Letter on, 741
Time Lag Between Granting of Increases and Wage Increases, 706, 724
Truck-Competitive:
Eastern Roads Cut Iron and Steel Rates, 450, 566, 708, 798, 848
Open Letter on, 741
"Twilight Zone", Rates for a, 1166†
Water-Competitive:
Fourth Section Relief Vacated by I.C.C.; Inland-to-Florida Rates, 280; Coal to New England, 849
Iron and Steel Storage-Tank Materials; Reduced by I.C.C., 769
West Coast, Approved by I.C.C., 846
Wool and Mohair Rate Cut, I.C.C. Refuses to Reconsider, 152, 363
Rates, Parcel Post (See Parcel Post Rates)
Rates, Water Carrier (See Water Carrier Rates)
Reade Safety Claw Bar, 483*
Reade Track Liner, 485*
Reading:
Annual Report, 569*
Cox, Christopher, Cited for "Christmas Spirit", 107*
Passenger-Service Loss Shown in Advertisement, 355*
Receivership, Railroads in, 68
Reclamation, P. & S. Div. Report on, 1248*
Reconstruction Finance Corporation:
Pecos Valley Southern Loan Approved by I.C.C., 519
Railroad Loans Outstanding, 57
Reorganization Plan Submitted by President Truman, 931
Reparations Claim Denied by I.C.C., 189
Tennessee Central Granted Loan Extension and New Loan, 286, 572, 812, 1105
Recordo-Printer Adaptor, Weber, 1123*
Records, A.R.E.A. Report on, 552
Rectifier Car Tested by Westinghouse Electric Corporation, 270*
Rectifier-Type Locomotives for the P.R.R., 589*

Red Cap 25-Cent Service Charge Approved by I.C.C., 706
Reflective Materials, Railroads Find New Uses for, 338*
Reflectorized Crossing Signs in West Virginia, 1101
Reflectoscope, Ultrasonic, for Rail Testing, 441*, 480*
Refrigeration, Mechanical, Diesel-Powered, 1172
Refrigeration, Mechanical, Problem of, 1172
Refrigeration, The Problem of, 1067†
Regulation: (See also Deregulation)
Competition Can Regulate Today's Transport, 726
Much Truck Competition is Unregulated, 990*
Only the Shippers Can Prevent Socialization of the Railroads, 379*†, 771†
Recommendations Made at Senate Subcommittee Hearing on Domestic Land and Water Transportation, 703, 749, 799, 842, 859†, 885, 924, 1008, 1093, 1145, 1201, 1260
Remington Rand "Plastiplate" Used by Pullman, 1120*
Reorganization of Railroads:
Boston & Providence Proceedings, 1211, 1266
Boston Terminal Plan Approved by I.C.C., 1266
C. of N. J. Expenses, 1105
Des Moines & Central Iowa Expenses, 519
F. E. C. Plan, Supreme Court Won't Review, 324, 707; Case Reopened by I.C.C., 1105, 1155
G. F. & A. Proceedings, 812, 1155
Lackawanna & Wyoming Valley Proceedings, 286
Long Island Proceedings, 160
Missouri Pacific Proceedings, 160, 620, 659, 807, 1061
N. Y. O. & W. Proceedings, 419
Rutland Expenses, 894
Smoky Mountain Proceedings, 572
Reorganization of Various Federal Agencies, President Truman Submits Plans to Congress for, 561, 806, 845, 930, 1052
Repair Shops (See Shops)
Reparations Cases Involving Government Wartime Freight Charges:
Chicago Board of Trade to Intervene in, 414
Hearing Dates Announced, 1200
Hearings on, 275, 615, 1006, 1050, 1200
Two Cases Consolidated, 1097
Reparations Claim of Butler Brothers Dismissed by I.C.C., 236
Reparations Claim of R. F. C. Denied by I.C.C., 189
Research:
Air Pollution; at Battelle Memorial Institute, 365
A.A.R. Engineering, Mechanical and Refrigerator Car Division Projects Under Way, 473, 1222†
Box Car Research; A. N. Campbell on, 505*
Electrification, Program to Extend, 526, 819†
Fundamental Research; A. E. Perlman on, 140*
Refrigeration for Transportation of Frozen Foods and Concentrates Needed, 1067†
Where to Direct Steam Locomotive Research, 254†
Research Laboratory at Chicago, A.A.R., 470*, 1082*, 1258*
Revenue Absorbed by the Payroll, Percent of, 798
Revenue Apportionment Plan of R.E.A., I.C.C. Proposed Report On, 273, 706
Revenue Bases for Motor Carrier Groupings Raised by I.C.C., 462
Revenue Per Ton-Mile and Per Passenger-Mile, 51
Revenue Yielded by Rate Increases Since 1946, 178
Revenues and Expenses:
I.C.C. Formula for Assigning Passenger Service Costs, 1165†
Maintenance Outlay Down Slightly in 1949, 22*
Monthly Figures by Individual Roads; November, 203; December, 373; January, 574; February, 763; March, 941; April, 1269
Monthly Summaries: November, 151, 290; December, 193, 359, 522; January, 414, 513, 720; February, 625, 703, 940; March, 805, 923, 1160; April, 1058, 1146; May, 1273
Streamliners Earn More Than Ever, 433*
Year 1949, 47
Revenues, Concession, Finding Money in, 910*
Revenues of $10 Billion Seen as Possibility, 321
Review of Railway Operations in 1949, 46*
Rico Car Icers, 732*
Rinshed-Mason Coatings for Rails, 502*
Rivers and Harbors Appropriations for 1950-51, 147, 149, 931, 1058
Rivets, Cherry Serrated Shank, 595*
Roadbed, Soil Pressure in; A. R. E. A. Report on, 551
Roadbed Stabilization, A.R.E.A. Report on, 552*
Roadway, A.R.E.A. Report on, 551*
Roberval & Saguenay; Aluminum Box Car, 308*
Rods, Lubricating, AWE Wheel Flange, 838*
Rol-Top Door with Air-Filter Panels, 186*, 502*
Roller Bearings Mean to Diesel Locomotives, What, 1140*
Roller Bearings on N. & W. 2-6-6-4 Type Locomotive, 106*
Roller, Hyster Grid, 480*
Roomette, Traveling in a, 173
Ross & White Portable Crane for Car Shaker, 503*
Rotorol Meter, Bowser, 486*
Rough Handling, B. of R. T. Helps C.P.R. Cut, 1075
Rough Handling, What the Railroads are Doing About, 978*
Royal Commission on Transportation:
C.P.R. Improvement Program Outlined, 627
Canadian Railway Wage Scale Attacked by Shippers, 332
Revision of C.N.R. Financial Set-Up Asked, 621, 622
Rubber Insulation for Rail Joints, 492*
Rubber Rail Seats and Insulated Joints, 492*
Rust-Chek Coatings for Rails, 502*
Rutland:
Centennial of First Train Noted, 152
Historical Pamphlet Issued, 152
Reorganization Expenses, 894
Rydin Automatic Motor-Car Coupler, 493*

S

SKF Industries, Inc.:
Southern Pacific Representatives Visit Plant, 806*
What Roller Bearings Mean to Diesel Locomotives, 1140*
Sabotage Suspected by Railroads in New York Area 452
Safety:
Air Travel, in 1949, 105
A.C.L. Grade Crossing Program, 1013
I.C. Employee Committees Report Hazards, 1010
Long Island Record, 871*
Making Personal Contact with Employees, 1194
Railroads' Reputation for, 1010
Superintendents' Report on, 1194
Safety Awards:
Railroad Employee Awards Made by N.S.C., 1097
Railway Age Given Special N.S.C. Award, 843
Safety Car Heating and Lighting Company: Annual Report, 570
Safety Claw Bar, Reade, 483*
Safety Contests:
C. & E. I. Employees to Win Bonds in, 633
E. J. & E. Employees To Win Cars in, 633
Safety Hazard, Long Trains Are No, 730*†
Safety Practices, P. & S. Div. Report on, 1252*
Safety Rally Held by St.L.-S.F., 1093*
Safety Records:
Illinois Central, in 1949, 415
Railroad, in 1949, 59, 364, 406
Safety Welding Goggle, Willson, 480*
St. Lawrence & Industry Village, Centennial of, 1012
St. Lawrence Seaway:
Appropriation for "Preliminary Work" Tentatively Budgeted by President Truman, 147
Effect on New York State; C. B. Huntress on, 191
Endorsed by President Truman, 148
House Committee on Public Works to Hold Hearings, 53, 361, 414
St. Louis Car Company: N.Y.C. Commuter Cars, 1150*
St. Louis Railroad Diesel Club: Officers, 712
St. Louis-San Francisco:
Car, Instruction, 340*
Derrick, Industrial Brownhoist Diesel-Powered, 273*
Diesel Locomotive Shop at Springfield, Mo., 929*
Safety Rally at Springfield, Mo., 1093*
Salesmen Given Awards by C. & E. I., 618*
San Francisco Traffic Club: Officers, 367
Sand Valve, W-M Diesel, 486*
Sanitation, A.R.E.A. Report on, 546
Sanitation in Camp Outfits, A.R.E.A. Report on, 546
Savings: (See also Operating Efficiency)
Canadian Railways' Refrigerator Cars, 1171*
C.R.I. & P. Hump-Retarder Yard at Silvis, Ill., 228*
Clinchfield C.T.C. Installation, 298*
Diesel vs. Steam Operation on C.I.&L., 555
E.J.&E. Yard Cleaning Machine, 684*
Radio Operation in Yard and Main-Line Service, 36
Rail, Heavy, 533†, 553, 554
Signaling Installations, Modern, 997
Slash Yard-Cleaning Costs, 255†
Station Mechanization, 1070*
Timetables; A.T.&S.F., 277
Use of Diesel Locomotives; Amador Central, 276*; Chicago Indianapolis & Louisville, 555; Administracao do Porto de Rio de Janeiro, 1008*
Use of Treated Ties on M.P., 878
Vapor-Drying Process of Tie Seasoning, 794*
W.P. New Communications Facilities, 654*
Saw, Gravely Rotary, 483*
Saws, Chain, Homelite Gasoline-Powered, 500*
School, C.&E.I. Diesel Training, 566, 652*
School for Purchases and Stores Department Employees on P.R.R., 245
Scoop Shovel for Fork Trucks, Yale & Towne, 488*
Scotchlite Lettering Film, 485*
Scotchlite, Railroad Uses for, 338*
Scrap Handling, Preparation, Classification and Sales, P.&S. Div. Report on, 1245*
Seaboard Aire Line: Cattle Tour Staged in Florida, 415
Securities, Railroad, Offered for Sale, 1934-49, 65, 69
Senate Committee on Interstate and Foreign Commerce:
Common Carrier Status for Forwarders Favored, 451
Granting of New Motor Carrier Application by I.C.C. Questioned, 512
Hearings on Missouri Pacific Reorganization Plan, 620, 659, 807, 1061
Senators from New England and Middle Atlantic States Seek I.C.C. Representation for Their Sections, 512
Subcommittee Hearings on Domestic Land and Water Transportation, 564, 622, 703, 749, 782*, 799, 842, 859†, 885, 924, 1008, 1051, 1093, 1145, 1201, 1260
Williams, Senator, Succeeds Senator Reed, 192
Senate Committee on Labor and Public Welfare:
Hearings on Bill to Outlaw Strikes Under the Railway Labor Act, 891, 922, 1007, 1055, 1144, 1200, 1222†
Hearings on Bills to Provide for a Union Shop and Dues Check-Off Under the Railway Labor Act, 883, 925, 1006, 1048
Railroad Unemployment Studied by Subcommittee, 1095, 1277
Sensimatic Accounting Machine, Burroughs, 1125*
Sherwin-Williams Carclad Freight Car Finish, 838*
Shipper Groups: Testimony Before Subcommittee of the House Committee on Interstate and Foreign Commerce Holding Hearings on the Transport Situation, 523
Shippers:
Cooperation with Railroads Discussed at New England Shippers' Advisory Board Meeting, 617
Could Save Railroads $200 Million, 578
Credited with Aiding in Rail Improvements, 804
How to Curtail Truck Overloading Quickly, 585†
Now That I'm on the Other Side of the Fence, 952*
Only the Shippers Can Prevent Socialization of the Railroads, 379*†
Power of the, 771†, 859†, 947†
Problems Presented to New England Railroad Club, 562
Radio Reaches Industries' Sidings, 998*
Rail Credit Cards—A Shipper's Experience, 408‡
Stake in Loss and Damage; A. H. Schwietert on, 919
Transportation by Taxation—A User's View, 596*, 705, 1275
Unprofitable Passenger Service and, 1165†
Shippers' Regional Advisory Boards:
Comparison of Estimated and Actual Car Loadings in Third Quarter of 1949, 451; Fourth Quarter, 1100
Estimates of Car Loadings in First Quarter, 105; Second Quarter, 707
Shops:
Atlanta & St. Andrews Bay Diesel Locomotive Shop at Panama City, Fla., 134*
Diesel Locomotive Facilities, A.R.E.A. Report on, 549
Diesel Repair Practice and Facilities, 1226*
Manufacturing in, P. & S. Div. Report on, 1253
Regional, to Handle Steam Locomotive Repairs, 730†
St. L.-S. F. Diesel Locomotive Shop at Springfield, Mo., 929*
Stefco Prefabricated Buildings for Diesel Shops, 483*
Shovel, Scoop, for Fork Trucks, Yale & Towne, 488*
Sickness and Maternity Benefit Payments, 57
Sign Near Kansas City Union Station; K. C. S., 842*
Signal Rules, I. C. C. Proposes Revision of, 155
Signaling:
C. & E. I. to Modernize A. T. C. System, 321
Construction in 1949, 84*
Increasing Economic Asset, An, 34*
I. C. C. Order on High-Speed Line Requirements, Status of, 35; S. P. and W. P. Denied Relief, 240; A. T. & S. F. and U. P. Granted Relief, 315; C. R. I. & P. Denied Relief, 929; C. & N. W. Denied Relief, 1148
"Signal Honors" for Freight, 996*
Signs, Crossing, to be Reflectorized in West Virginia, 1101
Smoky Mountain:
Former Auditor Put on Probation, 154
Reorganization Proceedings, 572
Sno-Flyr, Bros, 688*
Snow Fence, Armco, 484*
Snow Fighting, New Developments in, 1195
Snow Plows:
Bros Rail-Highway Rotary, 490*
Bros Rotary Plow of Unique Design, 688*
First Electric; C. B. & Q., 138*
Jordan Spreader-Ditcher Improved, 488*
Lima-Hamilton 1500-Hp. Rotary, 430*, 511*, 749*
Snubber Spring, Holland Improved, 1125*
Snubber Spring, Miner C-4-S Truck, 594*
Snubber Tests, A. A. R., Progress Report on, 281
Socialism: (See also Government Ownership)
Atkinson, A. K., on, 1115
Crusade Against Urged by W. G. Vollmer, 545
"Frankenstein Monster"; C. H. Pomeroy on, 363
Gliding Into; M. W. Clement on, 837
How Trucks Fare After Railroads are Socialized, 1087
I. C. "Freedom vs. Socialism" Lectures, 320*
Only the Shippers Can Prevent Socialization of the Railroads, 379*†
Railroad Supply Industry Launches "Grass Roots" Attack on, 277
T. & P. "Soapbox for Freedom" Ad, 313
What Would YOU Do?, 621*
South Australian Railways: Special Cars for Handling Automobile Bodies, 512*
South Buffalo Strike, 240
Southeast Shippers Advisory Board Meeting, 1262
Southern Pacific:
Biting Back at Air Line Competition, 347*, 445*
"Golden State" Schedule Improved, 931
Relief from High-Speed Signal Order Denied by I. C. C., 240
SKF Industries Visited by Representatives of, 806*
"Sunset Limited" Partially Re-equipped, 1147
Taylor Yard Modernized, 1036*
Southern Railroads' Rate Procedures Agreement, 413, 579, 619, 661 (Correction), 767
Southern Railway:
Bridge Across the Tombigbee River, 624*, 826*, 1028†
Bridge Near Burnside, Ky., 190*
B. of L. F. & E. Strike Settled, 921, 1005, 1028†, 1045*
"Crescent" Now All Streamlined, 567
Diesels for Dixie Advertisement, 698*
Filing System for Purchasing Department Records, 1118*
New Orleans Improvement Program, 369
Race Discrimination in Diners Banned by Supreme Court, 1143
Revenue Loss Caused by Strike Threat of B. of L. F. & E., 841
Sevier Yard to be Modernized, 159
Supreme Court Rules That State Courts Cannot Interpret Labor Agreements, 1015
Spector Motor Service: Tractor Relay System Speeds Through Truck Service, 565

GENERAL INDEX—Continued

*[Illustrated articles are indicated thus *; Editorials thus †; Letters to Editor thus ‡]*

Speed of Trains:
Eastern Roads Announce Schedule Changes, 899
Freight and Passenger Train Speed, 1941-49, 59
"Golden State" Schedule Improved, 931
I. C. "Seminole" Service Improved, 155
Speed Recorder with Push-Pull Arrangement, Valve Pilot, 594*
Sperry Ultrasonic Rail Inspection Service, 441*, 480*
Spike Hammer, Nordberg 1950-Model, 497*
Spray Gun, Eclipse Extension, 482*
Sprayer, Fairmont Oil, 482*
Spring Snubber, Holland Improved, 1125*
Spring Snubber, Miner Class C-4-S, 594*
Spring Snubber Tests, A. A. R., Progress Report on, 281
Spring Switches (See Switches, Spring)
Springs Mills Operates "Lilliputian Branch" of Lancaster & Chester, 1102*
Stairways, Moving, in Passenger Stations, 550
Staley, A. E., Manufacturing Company Qualifies for Spotting Service Under Line-Haul Rates, 412
Stamp, Eclipse Time, 595*
Stamp Honoring Railroad Engineers, 789*
Standard Material Classification, P. & S. Div. Report on, 1250*
Standard Oil Company of California. Correction of Figure Appearing in Advertisement Featuring RPM Delo Oil, 691‡
Standard Railway Equipment Manufacturing Company: Annual Report, 570
Standard Time Zone Modification, 930
Standardization of Stores Stock, P. & S. Div. Report on, 1250*
State Belt Railroad of California: Results of Conversion from Steam to Diesel Locomotives, 831*
Station Paperwork, New Developments Promise Relief from High Cost of, 1080*
Stationery, P. & S. Div. Report on, 1254*
Stations, Freight:
C. R. I. & P. at Duncan, Okla., 108*
M. P. to Build New Station at St. Louis, 602*
Office Operations, A. A. R. Freight Station Section Report on, 1189
Operations, A. A. R. Freight Station Section Report on, 1188
Overhead Conveyors Speed Operations on B. & M., 401*; C. M. St. P. & P., 1175*
Stations Equipped to Handle Unit Loads, 1000*
Trends in Design, 1066†, 1076*
What Stations to Mechanize?, 1070*
Stations, Passenger:
Akron Union, 726, 1042*, 1130*
C. R. I. & P. at Duncan, Okla., 108*
Erie, at Hawthorne, N. J., 242*
N. Y. N. H. & H. Sells Several, 323, 417, 570, 696*, 1014, 1205*
Stairways, Moving, in, 550
T. & P. Modernization Program, 1234*
Statistical Center, Railroad, Established in the Netherlands, 1207
Statistics:
Effective Use and Interpretation of, Superintendents' Report on, 1195
Vital, in Railway Engineering, 553
Steel Banding for Tie Handling, 509*
Steel Flooring, Nailable, for Box Cars, 702*
Stefco Prefabricated Steel Diesel Shop Buildings, 483*
Stock Prices, Railroad, in 1949, 64*
Stock Prices, Railroad, in Per Cent of Average Price of Industrial Stocks, 379*†
Storage of Diesel Locomotive Parts, P. & S. Div. Report on, 1244*
Storage of Materials, P. & S. Div. Report on, 1252*
Storage Rules Pact Conditionally Approved by I. C. C., 526, 563
Storekeeping, Terminal Railway, P. & S. Div. Report on, 1254*
Stores Accounting Done by Machine on N. & W., 1122*
Stores Department Organization and Procedure, P. & S. Div. Report on, 1255*
Strikes:
Bill to Make Strikes Unlawful Under the Railway Labor Act, 840, 891, 901†, 922, 1007, 1055, 1144, 1200, 1222†
Bituminous Coal Miners; Effect on Railroads, 110, 155, 190, 278, 313, 358, 413, 510 (Strike Ended), 568, 580
Brotherhood of Locomotive Firemen & Enginemen (See Brotherhood of Locomotive Firemen & Enginemen)
Conemaugh & Black Lick, 275; Strike Called Off, 315
How to Prevent, 817†
L. I. "Sick" Engineers Cease Striking, 886
Machinery Needed to Prevent; Jacob Aronson on, 1100
Metzman, Gustav, on, 1092
Monongahela Connecting, 240
New York, Ontario & Western, 275, 286
Operating Unions Postpone Strike Against N. Y. C., 1056
Privilege Now Enjoyed by Small Minorities to Tie Up All or Any Part of the Country's Economic Life, 1028†
Pullman-Standard Michigan City Plant, 1058, 1147
South Buffalo, 240
Switchmen's Union, 1009, 1054, 1097, 1258
T. & P. Motor Transport Drivers and Mechanics, 1202
Subsidies:
Aid to Transport; President Truman on, 149
Air Line; S. S. Alderman on, 749; Robert Ramspeck's Reply to, 1093
A. T. A. Expects Showdown on Issue of, 105
Clement, M. W., on, 837
Courage and Persistence Will Remove the Hindrances to Railroad Prosperity, 1†
Dearing, Charles L., on, 316
Federal Aid Highway Act; J. H. Hays on, 1010
How One State Agency Helps the Railroads' Competitors, 306*
Meyer, C. W., on, 312
Misrepresentation of Facts, 1028†
Montpelier, Vt. "Evening Argus", 381
Motor Truck; G. S. Prince on, 279; D. I. Mackie on, 799
Motor Truckers Evade Responsibilities, 990*
New Jersey Railroad Taxes Compared with Highway Deficit, 176*
New York State "Thruway" to Aid Truckers, 637†
Nye, F. N., on, 153, 358
"Old Shenanigan"; J. B. Shores on, 1223
Only the Shippers Can Prevent Socialization of the Railroads, 379*†, 771†, 859†, 947†
Railroads' Truck-Competitive Situation, 214*, 447
Report of I.B.A. Railroad Securities Committee, 169
Separation of Air Mail Payments from, Proposals for, 149, 359, 360, 754
Shields, L. J., on, 272
Smith, Earl B., on, 617
Smith, R. H., on, 427, 805
Square Deal for Railroads; A. K. Atkinson on, 145
Testimony Before Senate Subcommittee Investigating Domestic Land and Water Transportation, 703, 749, 799, 842, 859†, 885, 924, 1093
Transportation by Taxation; A. H. Phelps on, 596*, 705, 1275
Transportation Editors Discuss, 887, 926*
Washington, D. C., Union Station and Airport Compared, 1098
Waterway; G. S. Prince on, 842
Suburban Service (See Passenger Service)
Sugar Rates, An Open Letter on, 741
Superintendents' Report on What Can Be Done to Meet Competition, 1193
Swedish State Railways' Trailer for Hauling Loaded or Unloaded Freight Cars, 362*
Sweeper, Tie, Nordberg to Offer, 482*
Switches, Spring, Installed in 1949, 89
Switching, Automatic, for Car Retarder Yards, 490*
Switching Service Tariff, I.C.C. Investigation of Railroad Application of, 1057, 1277
Switching Service Under Line-Haul Rates, A. E. Staley Manufacturing Company Qualifies for, 412
Switchmen's Union of North America:
Forty Hour Week Agreement on D. L. & W., 708
Working Rule Changes and 40-Hour Week Sought, 512, 619, 659; Emergency Board Report, 844; Strike Threatened, 1009; N.M.B. Conferences, 1054; Strike Cancelled, 1097; Strike Scheduled, 1258
Symington-Gould Corporation:
Annual Report, 664
Diversification of Products Undertaken, 145
Syntron Diesel Pile Hammer, 485*
Syria: North Syrian Railroads Seek Equipment, 756

T

Tabulator, Underwood New Adding, 1124*
Tamper Blade, Improved, 490*
Tamper, Jackson Multiple Improved, 495*
Tape, Paper, High-Strength Gummed, 1123*
"Tape-Strap", 1123*
Tariffs, Basic, I.C.C. Sets Schedule for Publishing Rate Increases in, 363
Tax Rate Needed to Support the Railroad Retirement System, 277
Tax Relief for Unprofitable Branches, 691‡
Taxes: (See also Freight Transportation Tax; also Passenger Transportation Tax)
Downie, R. C., on, 661
How Trucks Fare After Railroads are Socialized, 1087
Income; Recommendations of President Truman, 238, 320
Many a True Word is Spoken in Jest, 731
Maryland Title Tax on Motor Vehicles Held Valid by Supreme Court, 1148
Motor Vehicle in New York State, Study of, 445
New Jersey Railroad Taxes Compared with Highway Deficit, 176*
Parity for Railroads; R. M. Drysdale, Jr., on, 886
P.R.R. Payments in Pittsburgh, 296
Supreme Court Dismisses Appeals of C.of N.J. and D.L.& W. on New Jersey Tax Levies, 320
Year 1949, 47
Taylor-Colquitt Company:
Economies of Vapor-Drying Process of Tie Seasoning, 794*
Spartanburg Plant Renovated, 793*
Telegraph and Printing Telegraph Placed in Service in 1949, 81
Telegraph Service for Rail Passengers; Western Union "Charge It" Plan, 1203
Telegraph Service on W. P. Modernized, 654*
Telephone Communication Service Improved, 37
Telephone Service, Long-Distance, Installations in 1949, 82
Telephone Service on W.P. Modernized, 654*
Telehone Train Dispatching Installations in 1949, 82
Television Program Arranged by F.R.P., 464
Television Spot Announcements; N.Y.C., 515*
Tennessee Central Granted R.F.C. Loan Extension and New Loan, 286, 572, 812, 1105
Terminal Operation, A.A.R. Freight Station Section Report on, 1188
Terminal Railroad Association of St. Louis: Emergency Board Report on Labor Dispute, 515, 706, 753 (Correction)
Terminal Railway Purchasing and Storekeeping, P. & S. Div. Report on, 1254*
Terminals:
A.R.E.A. Report on, 551*
Chicago Roads' Proposed Modernization Plans, 301*
Chicago South Side Union Station Site Approved by City Planning Advisory Board, 315
New Orleans Union, 809
P. R. R. Improvements at Pittsburgh, 809
Test Kit for Diesel Water, Dearborn, 498*
Testing of Railway Materials; R. E. Coughlan on, 586*
Tests:
Budd Diesel Rail Car, 156, 453*
Car Ride Correlated with Instrument Readings on L. & N., 931
Car Truck and Snubber Tests, A. A. R., Progress Report on, 281
Hold-Down Fastenings for Tie Plates, 557
Hot Boxes, Value of Packing Retainers in Preventing; A. T. & S. F., 1088*
Journal Box Packing Requirements; A. A. R. Mech. Div., 1230*
Rail, Economic Value of Various Sizes of, 533†, 553, 554
Rail Joint Bar Service Tests, 553
Rail Joint Lubrication Service Tests, 557
Sperry Ultrasonic Rail Inspection Service, 441*, 480*
Texas & New Orleans: Results Obtained with Open-Deck Packed-Chord Type of Creosoted Timber Pile Trestle, 877
Texas & Pacific:
Emergency Board Report on Labor Dispute, 362, 568
Freight Terminals Picketed by Teamsters, 1202
"Soapbox for Freedom" Advertisements, 313
Station Modernization Program, 1234*
Texas & Pacific Motor Transport: Drivers and Mechanics Strike Over Wages and Working Rules, 1202
Thew Lorain TL-25 Shovel-Crane, 500*
Thor Impact Wrench, 487*
Ticket Accounting, Interline, Machines for; N. Y. C., 224*
Ticket-Redemption Charge Proposals Suspended by I. C. C., 281
Tie Pad, Burkart, 481*
Tie-Plate Assembly with Rubber Rail Seat Pad, 492*
Tie Plates, Design of, A. R. E. A. Report on, 556
Tie Plates, Hold-Down Fastenings for, Tests of, 557
Tie Remover, Fairmont, 1126*
Tie-Sealing Compound, Koppers, 488*
Tie Sweeper, Power, Nordberg to Offer, 482*
Tie Tamper Blade Improved, 490*
Tie Tamper, Jackson Multiple Improved, 495*
Ties:
A. R. E. A. Report on, 550
Estimate of Installations in 1950, 476
Mechanical Damage, A. A. R.-N. L. M. A. Joint Investigation of, 550
Renewals, 1920-1049, 23*
"Scramble" for?, 691‡
Steel Banding for Handling, 509*
Substitute, A. R. E. A. Report on, 550
Treated; A Tribute—and a Challenge, 337†
Treated, Savings Due to, on M. P., 878
Unloading Devices, A. R. E. A. Report on, 549, 554*
Vapor-Drying Process, Savings Due to, 794*
Time Stamp, Eclipse, 595*
Timetables:
B. & M., M. C. and B. & A. to Use Daylight Saving Time, 753
How A. T. & S. F. Slashed Costs of, 277
N. Y. C. New Merchandise Car Schedules, 620
On-Time, 902†
Tipping Reinstated on C. & O., 1100
Toledo, Peoria & Western:
Nicknames for, History of, 1051*
Operations Dieselized, 566
Ton-Mile Output Per Dollar of Wages, 1047
Ton-Miles:
Chart Comparing 1950 with 1939 and 1949, 1099*
Chart Comparing 1949 with 1939 and 1948, 193*, 413*, 623*
Intercity, Distribution of, 958*
Intercity; Index Shows Relative Growth of Carriers, 1257
I. C. C. Comment on "Unhealthy" Change in the Carriers' "Historic Attitude" on Building Up, 174, 211†, 295†
Railroad Proportion in 1949, 705, 958, 960*
Years 1945-49, 47*
Tools, Pneumatic, New and Improved Models of, 500*
Toronto Railway Club: Canadian Railways' Refrigerator Cars, 1168*

Track:
A. R. E. A. Report on, 556*
B. & O. Line Change Near Riverdale, Ind., 1030*
Big Track Machines Combat High Costs, 992*
Brine Drippings, Prevention of Damage from, 556
Curve and Grade Reduction; Diesels Haven't Nullified Law of Gravitation, 818†
Track Cleaning Machine Developed on E. J. & E., Nordberg to Manufacture, 486*, 684*
Track Jack, Duff-Norton Aluminum, 498*
Track Liner, Reade, 485*
Track Resurfacing Machine Combines Both Track-Raising and Tie-Tamping Operations, 494*
Track Supply Association:
Agreement with N. R. A. A. and B. & B. S. M. A. on Exhibits, 190
Exhibit, Joint, with Bridge & Building Supply Men's Association in September, 276
Tracks, Good Light Repair, and Business, 532†
Trackwork, Manganese; J. A. Fellows on, 557
Traction Motors, Importance of Roller Bearings to, 1140*
Trade Fairs to be Held in U. S. and Canada, 366
Traffic Club of Chicago: Officers, 756
Traffic Club of Newark, N. J.: Perfect Shipping Clinic, 626, 924*
Traffic Club of St. Louis: Officers, 1101
Traffic Club of Washington, D. C.:
Annual Dinner, 367
Officers, 677
Traffic Conference Held at St. Louis by M. P., 767
Traffic Management, Need Seen for Professional Status in, 154
Trailer for Hauling Loaded or Unloaded Freight Cars; Swedish State Railways, 362*
Train Communication:
A. T. & S. F. Uses Radio on Three Freight Operating Districts, 128*
Costs of Radio Operation, Reports on, 36
Developments in 1949, 36*
Erie Moves Trains by Radio in Emergency, 239
Installations in 1949, 83
Number of Systems in Service on January 1, 1949, 187
Radio Averts D. & R. G. W. Train Crash with Truck, 276
Train Operating Rules, Bill to Give I. C. C. Power Over, 53, 282
Train Speed (See Speed of Trains)
Training of Employees:
C. & E. I. Diesel Training School, 566, 652*
P. R. R. School for Purchases and Stores Department Employees, 1245
Purchases and Stores Department Employees, Course of Study Suggested for, 1245
Tulane University to Sponsor Institute on Foreign Transport, 705
Trains: (See also Cars, Passenger)
A. T. & S. F. "Kansas City Chief", 463; "Gay Nineties" Decor, 704*
"California Zephyr" Passes First Birthday, 623
C. P. R. "Eskimo" and "Stampeder", 849
C. & O. "Valley Queen", 239
C. & N. W. "Dakota 400", 768
C. & N. W. "Flambeau 400", 900
C. N. S. & M. "Silverliner", 1054*
"Crescent" Now All Streamlined, 567
Detroit-Alpena Train; G. T. W.-D. & M., 315*
Diesel-Electric Multiple-Unit, Economics of, 786*
G. E. "More Power to America Special", 316, 622*, 832*
"Golden State" Schedule Improved, 931
Long Trains are no Safety Hazard, 730*†
Overnight Fast Freights, List of, 986*
Overnight Fast Freights, Routes of the, 983*
P. R. R. "Cincinnati Limited" Re-equipped, 624
P. R. R. "Indianapolis Limited", 1261
S. P. "Sunset Limited" Partially Re-equipped, 1147
Streamliners; Coverdale & Colpitts Seventh Report for the Budd Company, 433*
Toscanini Tour Special, 841*
"Train of Tomorrow" Purchased by U. P., 930, 1265*
"Train X", C. & O. and Pullman-Standard Working Jointly on, 661
U. P. Fast Livestock Train, 774*
Wabash "Blue Bird", 410*, 638*
Trans-Australian Railway, A Glimpse of the, 271*
Transit Method for Laying Out Steam Locomotives, 1115†
Trans-Missouri-Kansas Shippers' Advisory Board:
"Perfect Shipping" Skit Presented by, 847
Seeks Improved L. C. L. Service, 725
Transmitters, Radio, 2601, Operated by Railroads, 452
Transport Functions, Non-Regulatory; Grouping Under Department of Commerce; Proposal Submitted to Congress by President Truman, 561, 1052
Transportation Association of America:
Cooperative Project on National Transportation Policy:
Basic Structure of Completed, 446
"Blueprint" Completed, 752
Northern Ohio Forum Organized, 243
Railroad Panel Named, 1015
Freedom Dinner Held in Minneapolis, 157, 243
Transportation by Taxation—A Users's View, 596*, 705, 1275
Transportation Commission Proposed by J. C. Gibson, 1008; by J. G. Scott, 1145; by E. S. Idol, 1260
Transportation Coordination and Integration, I. C. C. History of, 1148
Transportation Corps Board Names Civilian Associates, 276
Transportation Courses (Engineering) at Universities, 469†
Transportation Courses Given at M. I. T., 267‡
Transportation, Domestic Land and Water; Hearings Held by Subcommittee of Senate Committee on Interstate and Foreign Commerce, 564, 622, 703, 749, 782*, 799, 842, 859†, 885, 924, 1008, 1051, 1093, 1145, 1201, 1260
Transportation Fair to be Held at Los Angeles, 1206
Transportation in the Cabinet, Do the Railroads Want, 467†
Transportation Policy:
Can Optimism About the Railroads be Justified?, 1065†
Cleveland Chamber of Commerce Booklet on, 1012
Discussed at C. of C. Transportation Conference, 193, 316
Johnston, Paul W., on, 243
Middleton, P. Harvey, on, 1067
Now That the Railroads Have a Sound Public Policy . . . , 859†
Public and the Politicians are Not to Blame for Transportation's Troubles, 1027†
Railroads Still Have a Job of Pioneering to Do, 1113†
R. B. A. Five-Point Fair Deal Program, 800
Report of I. B. A. Railroad Securities Commiteee, 169
Schwietert, A. H., on, 676
Sheils, L. J., on, 1117
Smith, Earl B., on, 617
Square Deal for the Railroads; A. K. Atkinson on, 80, 145
Status of Various Studies, 54, 60
Truth Will Out, 948†
Transportation Problems to be Discussed at Kent State University Forum, 564
Transportation Situation; Hearings Before House Interstate and Foreign Commerce Subcommittee, 333, 448, 514
Travel Survey, Vacation, Made by Curtis Publishing Company, 1205
Tree Farm in Florida; A. C. L., 578*
Trestle, Packed-Chord Type of Creosoted Timber Pile on T. & N. O., 877
Trestles, A. R. E. A. Report on, 555
Trucks, Car:
Holland Improved Snubber Spring, 1125*
Improving the Riding Qualities of, Review of A. A. R. Tests for, 976*
Miner C-4-S Spring Snubber 594*
Progress Report on A. A. R. Tests, 281
Research on; A. N. Campbell on 508*
Trucks, Industrial:
Baker-Raulang Electric Fork, 268*
Baker-Raulang Hustler Burden Carrier, 186*
Clark Utilitruc with Dynatork Drive, 1123*
D. L. & W. Use of Specialized Devices, 606*
Dodge Power Wagon with Monroe Hydraulic Lift, 483*
Gar Wood "Dump It" Truck-Body Hoist, 838*
Hyster One-Ton Capacity Fork, 268*
P. & S. Div. Report on Savings Produced by, 1252*
Stations Equipped to Handle Unit Loads, 1000*
Yale & Towne Scoop Shovel for, 488*
Truman-Hobbs Act, First Major Railway Bridge to be Built Under, 624*, 826*, 1028†
Trusteeship, Railroads in, 68
Truth Will Out, 948†
Tugboat "Newark"; P. R. R., 149*
Tulane University to Sponsor Institute on Foreign Transport, 705
Turkey: Koppers Company to Supervise Engineering and Construction Work in, 283
Turkish State Railways:
American Experts Make Study Under Marshall Plan, 889
To Convert Locomotives from Coal-to Oil-Burning, 157
Typewriter Ribbon, New, Underwood, 1124

U

Underwood Corporation:
Adding Tabulator, New, 1124*
Fanfold Writing Machine Features Automatic Retraction of Carbon Paper, 1124*
Typewriter Ribbon, New, 1124
Unemployment, Railroad, Studied by Subcommittee of Senate Committee on Labor and Public Welfare, 1095, 1277
Union Pacific:
Alco-G. E. Gas-Turbine Locomotive in Test Service, 314
Annual Report, 853
Cars, Aluminum Sleeping, 534*
Cars, Special Flat, for Handling Auto Bodies, 672*, 968*, 971*
Coordinated Rail-Highway Mail-Express Service Extended, 413
"DLS" Fast Livestock Train, 774*
D. & R. G. W. Seeks to Force Open the Ogden Gateway, 316, 676
Improvement Program, 1152
Locomotives, More Coal-Burning, to be Converted to Oil, 276
Passenger Car Construction Nearing Completion at A. C. F. Plant, 318*
Signaling Order Modified by I. C. C., 315
Snow Plow, Bros Rotary, of Unique Design, 688*
Snow Plow, Lima-Hamilton 1500-Hp. Rotary, 430*, 749*
Supreme Court Holds Six-Year Limitation Applies in Claims Cases Against the Government, 929
"Train of Tomorrow" Bought from General Motors, 930, 1265*
"Whistle Talk" Pamphlet, 1209*
Union Shop on the Railroads, Bills to Provide for, 619, 635†, 661, 806, 883, 925, 1006, 1048, 1096, 1261
Union Switch & Signal Company: Clinchfield C. T. C. Installation, 298*
Unit Load (See Freight Handling; also Materials Handling)
Unit 1020R Light Crawler Crane, 481*
United Air Lines Questions Air Coach Economics, 1149
United Fresh Fruit & Vegetable Association: Review of Present Status of Technical Development of Refrigerator Cars, 313
United States Department of Agriculture: Study of Relationship of Rates and Prices of Agricultural Commodities, 889
United States Department of Commerce:
Bureau of Public Roads: Appropriation for 1950-51, 147
Do the Railroads Want Transportation in the Cabinet? 467†
Federal Maritime Board Established, 561, 1053
Maritime Administration Established, 561, 1053
Offer of Private Group to Lease Inland Waterways Corporation Rejected, 237, 362, 412
President's Plans for Taking Over All Government Activities in the Transport Field Except Regulation, 561, 1053
Rolling Stock Orders in 1950 Forecast, 157
Undersecretary of Commerce for Transportation Appointed, 561, 1053
United States Department of Justice.
Approval of Car Hire, Demurrage and Storage Rules Pact Under Bulwinkle-Reed Act by I. C. C. Another Set-Back to, 563
Government Reparations Cases Involving Wartime Freight Bills, 275, 414, 615, 1006, 1050, 1097, 1200
United States Department of Labor: Report on Productivity in Steam Railroad Transportation, 279
United States Department of the Army:
Corps of Engineers:
Rivers and Harbors Appropriation for 1950-51, 147, 149
Waterborne Commerce in 1949, 769
Transportation Corps:
Equipment Maintenance Program 95 Per Cent Complete, 310
Transportation Corps Board Names Civilian Associates, 276
United States Gypsum Company: Gypsum Board and Lath Shipped on Special Flat Cars, 1173*
United States Maritime Commission: Abolished and Functions Assumed by Department of Commerce, 561, 1053
United States Post Office Department:
I. C. C. Denies Reconsideration of Finding of No Rail "Rates" on Express, 366
Investigation Sought in Proposed House Resolution, 844
Mail, Air and Rail, Costs and Deficits in 1948-49, 890
United States Smelting, Refining & Mining Company:
I. C. C. Car Spotting Service Order Upheld by Supreme Court, 710
United States Steel Corporation: Rail Line in Venezuela Under Consideration, 660*
United States Supreme Court:
Appeals of C. of N. J. and D. L. & W. on New Jersey Tax Levies Dismissed, 320
A. & St. A. B. Car Coupling Accident Case, 108
Barge-Rail Rate Order of I. C. C. to be Reviewed by, 525, 1058
Car Spotting Service Orders of I. C. C. Involving American Smelting & Refining Company and the U. S. Smelting, Refining & Mining Company Upheld by, 710
Court Ruling that Locomotive Must Be on Line to Violate Boiler Inspection Act Upheld by, 567
Deportation Order Invalidated After Finding that Procedures Leading to the Order Did Not Conform to Separation-of-Functions Requirements of Administrative Procedures Act, 565
E. J. & E. Car Coupling Accident Case, 107
F. E. C. Reorganization Plan, Will Not Review, 324, 707
Four Years Held Minimum for Job Protection Conditions in Consolidation Cases, 657
Georgia Equalization Rate Case; Special Master Advises Dismissal of Complaint, 1152, 1196
I. C. C. Mahaffie Act Ruling Upheld, 709
Maryland Title Tax on Motor Vehicles Held Valid, 1148
N. Y. C. & St. L. Car Coupling Accident Case, 620
Pacific Coast Wholesalers' Association, I. C. C. Overruled on Status of, 331
Race Segregation in Diners Banned, 1143
Ruling That Issuance of a Through Bill of Lading from Point of Entry to Final Destination Within This Country Makes the Issuing Carrier Liable Under the Carmack Amendment to the Interstate Commerce Act; M. P. Case, 564
Six-Year Limitation Applies in Claims Cases Against the Government; Ruling in U. P. Case, 929
State Courts Cannot Interpret Labor Agreements of Railroads, 1015
Won't Review Old Colony Passenger Service Cut, 900
Universities, Cooperative Relations with, A. R. E. A. Report on, 550
University of Tennessee Offers Full Course in Railroading, 317*
Uruguay: Bids for Cars and Locomotives Requested, 323

V

Vacation Travel Survey; Curtis Publishing Company 1205
Valve, Magnus Safety, for Diesels, 1124*
Valve, W-M Diesel Sand, 486*
Valve Pilot Corporation:
Acquired by Barco Manufacturing Company, 713*
Speed Recorder with Push-Pull Arrangement, 594

GENERAL INDEX—Continued

[*Illustrated articles are indicated thus *; Editorials thus †; Letters to Editor thus ‡*]

Vapor-Drying Process of Tie Seasoning, Economies of, 794*
Venezuela: Purchase of Railroad Equipment in U. S. Under Consideration, 283
Venezuelan Rail Line Under Consideration by United States Steel Corporation, 660*
Veterans Administration Reports 864 G.I.s Still Training as Railroad Mechanics, 1206
Victorian Railways:
Special Cars for Handling Automobile Bodies, 512*
Ten-Year Improvement Program, 1207
Virginia & Truckee: Abandonment Authorized, 518, 851

W

W-M Diesel Sand Valve, 486*
Wabash:
"Blue Bird" in Service, 410*, 638*
Bridge at St. Charles, Mo., Named for N. B. Pitcairn, 1146*
Cars, Aluminum Sleeping, 534*
D. T. & I. Acquisition Approved by I. C .C., 894, 1155
Staley, A. E., Manufacturing Company Qualifies for Spotting Service Under Line-Haul Rates, 412
Wall Street Journal:
Comment on B. of L. F. & E. Strike, 861
Many a True Word Is Spoken in Jest, 731
War, Need for Stronger Railroads in Event of, 464
Warner & Swasey Improved Gradall, 499*
Washington, D. C., Evening Star: Alone with Science (Traveling in a Roomette), 173
Washington, D. C., Sesquicentennial Commission: National Transportation Committee Appointed, 527
Washington, D. C. Union Station and Airport; Private and Government Operation Compared, 1098
Water Carrier Rates: Minimum-Rate Order for Intercoastal Lines Vacated by I. C. C., 527
Water Carriers:
Credit Rules Adjusted to 5-Day Week by I. C. C., 331
Inland Waterway Carriers' Rate Pact Approved by I. C. C., 769
Revenues and Traffic; Nine Months of 1949, 407, Year 1949, 1258
Subsidies; G. S. Prince on, 842
Testimony Before Subcommittee of House Committee on Interstate and Foreign Commerce Holding Hearings on the Transport Situation, 514
Water Conditioning for Diesel Cooling Systems, 546
Water, Hot, Speeds De-Icing of Refrigerator Cars, 266*
Water Service, A. R. E. A. Report on, 546
Water Treatment: Dearborn Test Kit for Diesel Water, 498*
Waterman Steamship Corporation Granted Permanent Authority to Carry Passengers, 242
Waterproofing, A. R. E. A. Report on, 557
Waterways:
Cost of Providing Mississippi River Channels, 227
Traffic in 1949, 769
Waybill Studies Issued by I. C. C., 240, 331, 451, 578, 891, 1012, 1163
Wayne Pump Company: Loading Dock Ramps, 504*
Weber Recordo-Print Adaptor, 1123*
Weed Killers:
Bogle, 502
Borascu, 488
Chemical, Report of Tests Conducted on, 552
General Chemical Div.; Allied Chemical & Dye Corp. 504
Nalco H-170, 493*
Polybor-Chlorate, 484
Weed Spraying Equipment, A. R. E. A. Report on, 548*
Weehawken Ferry Fares Increased by I. C. C., 513
Welded Rail (See Rail)
Welder, 200-amp. A. C. Industrial-Type, with an Arc Booster, 503*
Welding: C. S. S. & S. B. Rail-Welding Operations Viewed by A. R. E. A. Men, 753*
Welding Goggle, Willson Safety, 480*
West Virginia Crossing Signs to be Reflectorized, 1101
Western Association of Railway Tax Commissioners: Officers, 367
Western Pacific:
Budd Diesel Rail Car Tests, 156, 453*
Communications Modernized, 654*
Eastern Division Dieselized, 711*
Freight Service on West Coast Speeded Up, 365
Plastic Freight Car Flooring, 1180*
Relief from High-Speed Signal Order Denied by I. C. C., 240
"Royal Gorge" Withdrawn Because of Losses Incurred, 361
Switchmen to Strike Against, 1258
Whitman, F. B., Plays Host to Entire Railroad, 928
Western Railway Club:
Gabrielson, G. C., Sees Railroads "Vexed" by Government, 807
Officers Elected, 1059
Transportation by Taxation—A User's View, 596*, 705, 1275
Western Union "Charge It" Plan for Rail Passengers, 1203
Westinghouse Air Brake Company: Annual Report, 515
Westinghouse Electric Corporation:
Electric Transmission for Locomotives, Advantages and Economies of, 647*
Locomotives, Rectifier-Type, for the P. R. R., 589*
Policy on Shipping by Rail, 596*, 705, 1275
Rectifier Car in Test Service, 270*
Westvaco Chemical Corporation: "Plastinail" Flooring Placed in W. P. Freight Cars, 1180*
Wheel Flange Lubricating Rods; National Carbon Company, 838*
Wheel Silencer, Fairbanks, Morse, 504*
Wheeldex Telephone-Base Card File, 1125*
"Whistle Talk" Pamphlet Issued by U. P., 1209*
Whistles, Chime-Tone, on Diesel Locomotives; L. V., 632*
Whiting Corporation Acquires Coburn-Foster Conveyor Company, 754
Willson Safety Welding Goggle, 480*
Winch, Franklin Variable-Speed, 502*
Winchester & Western: First Diesel Locomotive, 1049*
Women's Traffic Club of San Francisco: Officers, 932
Wood Bridges, A. R. E. A. Report on, 555
Wood Preservation:
A. R. E. A. Report on, 556
Koppers Tie-Sealing Compound, 488*
Statistics for 1949, 848
Wool and Mohair Rate Cut, I. C. C. Refuses to Reconsider, 152, 363
Wrench, Nordberg 1950 Model "DW", 498*
Wrench, Thor Impact, 487*
Wright, Roy V., Essay Contest, 239, 1274
Writing Machine, Electric Fanfold, Features Automatic Retraction of Carbon Paper, 1124*

Y

Yale & Towne Scoop Shovel for Fork Trucks, 488*
Yard Cleaner Developed on E. J. & E., 486*, 684*
Yard Cleaning, Mechanization of, 255†
Yard Communication:
Costs of Radio Operation, Reports on, 36
Developments in 1949, 36*
Installations in 1949, 83
Radio Reaches Industries' Sidings, 998*
Yard-Type Rail Lubricator, Meco, 496*
Yards:
A. R. E. A. Report on, 551*
Atlanta & St. Andrews Bay, at Panama City, 134*
Car Retarder, Automatic Switching for, 490*
C. & O. Yard at Russell, Ky., Enlarged, 904*
C. R. I. & P. Hump-Retarder at Silvis, Ill., 228*
Classification, A. R. E. A. Report on, 551
Design of, A. R. E. A. Report on, 551
Expediting Movement of Freight Trains Through, 1193
I. C. Markham Yard, "Push-Button" Classification Speeds Cars Through, 1181*
S. P. Taylor Yard Modernized, 1036*
Southern to Modernize John Sevier Yard, 159
Under-Car Inspection Pits, A. R. E. A. Report on, 551*
Yoloy Continuous Weld Pipe, 839*
Young & Greenawalt Deeper Corrugated Sectional-Plate Pipe, 502*
Youngstown Sheet & Tube Company: Continuous Weld Pipe, 839*
Youngstown Steel Door Company: Drop-Bottom and Controlled-Discharge Containers, 701*

BOOK REVIEWS

First Transcontinental Railroad, The, 355
Organization and Management, 335
Original 1879 Car-Builder's Dictionary's Illustrations, 698
Working on the Railroad, 744

ELECTIONS & APPOINTMENTS

[**Indicates photograph and sketch; ‡Indicates sketch only*]

A

Abbott, John, 149
Acheson, J. G., 1110
Adams, Herbert N., 245
Adamson, A. V., 114
Ahlering, L. J., 1059
Ahlers, E. H., 814
Aitchison, Clyde B., 106
Akers, J. B., 666
Akers, J. B., 830
Akins, D. W., 1159, 1214
Albany, R. C., 455
Albert, F. H., 667
Alderman, James H., 571
Alderman, Sidney S., 1108*
Alderson, J. M., 674
Alexander, Don B., 1154
Allan, Ernest, 1060
Allen, Harvey, 1158, 1214*
Allen, Samuel G., 570*
Allen, Ward, 1159
Allison, Anthony G., 1207
Allison, L. R., 456‡
Almon, F. G., Jr., 719
Alston, George L., 322
Ames, Clifford H., 281*, 289
Anderson, Charles A., 760, 896*
Anderson, E. L., 1110
Anderson, Gordon R., 1153, 1208*
Anderson, Harry C., 323
Anderson, L. P., 329
Anderson, Marvin, 625*
Anderson, W. B., 248
Anderson, W. E., 814
Andreas, Ralph L., 897‡
Andrews, J. F., 120
Andrews, Jack E., 201*
Andrews, L. T., 249*
Andrews, R. W., 897
Appleton, J. A., 629
Archambault, Bennett, 714
Armbrecht, W. H., Jr., 813, 895*
Armistead, Parkes, 894
Armstrong, C. B., 158
Armstrong, G. C., 675
Armstrong, T., 932
Arnett, Alex W., 122, 249‡
Arnold, L. E., 158
Arnold, P., 159‡
Arnold, Walter P., 713*
Ash, John T., 1209‡
Atwater, H. C., 196
Aurelius, Marcus J., 1153
Austin, Harold R., 713
Austin, J. A., 897
Austin, Paul W., 158, 195‡
Aves, Russell N., 328
Aydelott, J. H., 276
Ayer, John, Jr., 166*
Ayers, Ernest W., 898

B

Bacon, Roy R., 717
Bailey, J. B., 896
Bailey, J. W., 420‡
Bailey, R. W., 814
Baillie, Eric A., 281*, 289
Baillie, George H., 1267
Bair, C. R., 857
Baird, J. T., 1109
Baker, Everett G., 122, 201*
Baker, F. G., 937
Baker, Frank L., 631
Baker, J. H., 814, 898*
Baker, R. E., 568
Baldinger, John A., 1154
Baldwin, C. D., 1243
Baldwin, Richard B., 935, 1156*
Balliet, R. H. C., 719
Bamert, William, 162
Bard, F. N., 713*
Barkalow, Alexander E., 1213
Barker, J. R., 371
Barnard, W. H., Jr., 830
Barnes, F. P., 416
Barnes, Fred C., 1101
Barr, Karl T., 284
Barr, Dr. William M., 166‡
Barriger, John, 194
Barry, David E., 164
Barry, H. B., 1110*
Barsy, S. J., 893
Bartlett, Col. A. L., 245
Bartlett, R. W., 932

sauri, Luis M., 674
ile, Columbus, 756, 808*
ichelder, K. T., 456
ites, Edwin F., 755
ites, W. W., 459
itt, William L., 514*
ner, Eugene C., 933
ughman, George W., 456*
yes, G. Frank, 714
adle, John G., 323‡
ean, J. T., 1134
eardsley, E. L., 881*
earss, H. J., 163‡
eck, C. H., 196*
eck, Henry C., 759
eckel, Lee, 712
ecker, Arthur F., 196, 1264
eckham, Ioan V., 164
edgood, P. O., 327
eguelin, R. C., 520
elcourt, Paul L., 935
elden, George A., 123, 202*
ell, C. W., 456‡, 666*
ellah, M. T., 1101
elt, E. R., 716*
enner, Paul B., 1154
ennett, J. R., 455*
ennett, R. C., Jr., 892
enton, H. A., 762‡
erg, Eugene P., 714
erg, Karl, 250‡
ergmann, Harry J., 936
erndt, R. F., 288
erryman, J. H., 158
escher, R. H., 880
est, Lawrence E., 165
ice, V. W., 1159
ick, Carl A., 248, 287, 370*
ickley, John L., 851
illeter, Arno L., 416
ingman, A. D., 858
irch, L. W., 526
irkhead, W. S., 455
ischoff, H. C., 529
ish, H. P., 835*
ishop, C. M., 232
ixler, Herbert E., 1192, 1268*
lachley, Walter E., 898
lack, James E., 898
lackburn, Roy, 164
lackson, Richard T., 194
lackwell, J. C., 1251*
lair, J. M., 372
lair, T. A., 460, 540*, 542
lake, Edmund M., 1268
lake, J. H., 896
lakeley, C. P., 932
lanton, Joseph B., 674
latt, G. B., 521, 762*
laydes, Robert M., 288, 371*
ledsoe, Walter C., 630
lomberg, Earl A., 164
loss, E. K., 568
losser, H. G., 456*
lugerman, Lee N., 755*
oalch, E. H., 1213
obbitt, Wesley C., 158
odemer, C. J., 459‡
oggs, Hubert D., 665
ohlsen, Paul G., 122, 201‡
oivin, J. A. O., 521
olton, G. H., 568
onnet, Nels J., 1018
ooth, Fred H., 898
ooth, Robert S., 890
orders, Ire J., 1268
orjes, H. V., 674‡
orntrager, Karl A., 326*
ossert, W. E., 893*
ostwick, Rex, 201‡, 1243
ottimer, R. A., 520
ottenfield, A. E., 754
ourne, Arthur E., 936, 1213‡
owden, J. C., 1268
owling, Charles M., 166‡
owman, Robert J., 1156
oyd, C. A., 673
oyd, R. V., 896
oyd, Robert O., 321
oykin, R. H., 814
oyle, R. V., 712
radford, Lindsay, 115
ranch, Benjamin D., 1018
randon, G. E., 367
randon, J. D., 196*, 1263
randon, Mrs. J. D., Jr., 1264
ranning, E., 719
raswell, H. M., 248
reeden, M. D., 131
rennan, William E., 329
rimmer, George H., 936, 1158*
rinkworth, J. J., 457
rinkworth, Robert V., 371
rinton, E. R., 165
riscoe, W. Russell, 1101
ristow, B., 123
rizius, C. A., 288
rooks, J. Gardner, 756
rooks, Robert C., 245, 283*
rossart, K. W., 1231
rower, J. E., 631
rown, Clyde E., 1267
rown, Elmore C., 366*
rown, G. L., 675
rown, Holmes, 416
rown, J. A., 1157
rown, L. A., 282
rown, Revelle W., 750*
rown, W. F., 1248*
ruck, Clifford C., 936
ruckner, Frederick L., 1153, 1209
uchanan, W. J., 158
uchanan, Walter I., 1262*
uck, W. E., 521
uckingham, George F., 164
uckles, R. E., 1213
uckley, J. J., 1060
udd, Edward G., 514*
uddington, Robert M., 850
uford, C. H., 1202
uford, Curtis D., 288
ull, T., 933
unce, Frank W., 420, 719‡
urch, E. E., 631, 719*, 1179
urger, J. H., 165
urgess, E. H., 805, 923
urgess, Willard F., 1159, 1268
urke, Paul S., 459‡
urke, R. C., 460
urke, William J., 1263
urke, William P., 850
urkhardt, A. A., 529
urley, Paul B., 289* 329
urnett, R. F., 154
urrage, Charles W., 415
urri, L. L., 162‡
urroughs, Mrs. Elizabeth, 196, 1264
urt, Roland W., 1154*
ush, W. K., 367
uskard, C. R., 631
utcher, George P., 165*
utler, Grace, 851
utler, Ray E., 856
yers, G. M., 1256*
yrnes, James G., 281* 289

C

Cadman, I. F., 1263*
Cahill, J. L., 459
Caiazza, Theodore M., 520* 573
Cain, D. E., 1252*
Callaway, Merrel P., 909*
Cameron, John D., 897
Campbell, C. H., 201
Campbell, Charles H., 897, 1025‡
Campbell, Frank C., 159
Campbell, Harry L., 195
Campbell, John W., 520
Canavan, D. C., 1245*
Candlin, James E., Jr., 666
Canty, R. E., 288
Capouch, M. E., 1208
Capps, W. T., 755
Capron, L. R., 457
Carey, John B., 675
Carlsen, H. S., 754*
Carlson, Carl E., 460, 573‡
Carlson, W. G., 719
Carmichael, G. T., 1034*
Carr, Ernest, 887*
Carr, Ernest J., 897, 1024*
Carr, T. W., 250
Carr, W. A., 521
Carroll, John A., 813
Carroll, T. C., 1034*
Carson, Etheridge L., 281*, 289
Carter, H. Gray, 123*
Carter, Wilbur W., 250
Cartwright, Kenneth, 568
Caruthers, Eugene W., 665*
Carver, William H., 201, 327‡
Case, George S., 1104
Case, George S., Jr., 1104*
Casey, J. Pat, 459‡
Cauley, James W., 935‡
Cavenaugh, C. L., 631‡
Caviston, J. C., 717
Challand, Bernard L., 193
Chapman, Charles C., 163‡
Chapman, W. K., 118, 1062
Charlton, A. J., 367
Chenault, W. P., 755
Chidley, W. H., 858
Christian, Thomas J., 322
Christy, Charles L., 248‡
Chubb, E. F., 1250*
Chynoweth, P. S., 568
Cibulka, J., 1109
Claborn, R. D., 857, 858
Clark, A. C., 1134
Clark, Carleton C., 1153
Clark, Dwight M., 164
Clark, W. B., 120, 199‡
Clarke, A. C., 1033
Claypoole, Richard W., 517‡
Cleary, W. J., 119
Clement, Martin W., 804
Clements, Walter M., 1159
Clinton, Monroe E., 856
Cloninger, A. M., 712
Close, L. B., 1110
Clugh, L. A., 323
Clune, Michael F., 460
Cochrane, Ernest, 415
Coffey, A. Langley, 706
Coffman, H. W., 881*
Cohon, Morris, 1157
Coidan, Stephen S., 898
Cole, F. T., 287
Coleman, Ben, 779
Coleman, C. P., 673
Coleman, Lynn B., 120, 200*
Colley, John C., 761
Collins, D. J., 1158
Colman, Ben, 1209
Colonna, Angelo, 890
Colpitts, C. A., 460
Combs, C. E., 288
Condon, H. R., 666, 713*
Conlin, R. M., Jr., 121
Connelly, Phillip F., 814
Conrad, F. J., 460, 814*
Cook, H. H., 674
Cook, H. L., 348‡
Cook, H. W., 898
Cook, Jerry, 245‡
Cooke, James W., 1208*
Coombes, Arthur I., 1108
Coonley, John C., 1263
Coons, Perry T., 1208
Cooper, George A., 416
Cooper, H. V., 920
Cooper, L. V., 249
Copenhafer, David T., 111
Corbon, Samuel E., 936
Corcoran, James P., 288‡
Corley, Ralph A., Jr., 1060
Corley, Robert N., 1060
Corneille, Walter S., 1019
Coryell, Charles M., 1018
Cosgrove, F. O., 165
Costigan, Harry W., 813
Costley, W. M., 851
Cotter, J. C., 656
Couch, Johnson O., 716‡
Courtney, Harry, 250‡
Courtway, C. C., 521
Coverston, F. L., 371
Covert, R. M., 158, 195*
Cowan, James A., 756
Cowie, Norman F., 937
Cowles, J. C., 120
Cowles, Lee R., 756
Cox, Arthur M., Jr., 517
Cox, Christopher, 107*
Coyne, W. F., 851
Crabbe, F. F., 460, 761‡
Craddock, J. A., 459
Craig, James J., 250
Craig, Robert B., 1153
Crane, E. B., 937‡
Crane, H. L., 898
Crane, J. S., 197, 244*
Cree, Harry R., 196, 1264
Creighton, L. H., 937
Crenshaw, H. M., 120
Crissy, C. W., 568
Croghan, Hubert M., 121
Crombie, J. C., 761
Crosby, Barton J., 164
Crosland, B. H., 1110
Cross, Hugh W., 930
Cross, J. A., 372
Crow, E. P., 674
Crow, John, 571
Cudhea, Tom, 123
Culbertson, R. D., 372
Culpepper, J. S., 1101
Cummins, Joseph J., 520
Curry, Edward C., 281*, 289
Curry, Ira W., 1206
Cushing, David L., 933
Cushman, Dr. Glenn F., 814
Custar, William E., 1262*
Custer, C. F., 201

D

Dallman, D. E., 158
Dana, Joseph A., 289*
Dangremond, R. V., 687
Darden, Robert D., 857‡
Parrach, William, 571
Daughters, R. F., 158
Dauphinais, George A., 416
Davenport, James E., 283, 322*
Davidson, David E., 714, 755*
Davis, Carl H., 1213‡
Davis, Elmo C., 630
Davis, J. F., 661
Davis, J. J., Jr., 112
Davis, J. N., 459
Davis, W. S., 420
Davis, William A., 1268*
Davison, J. F., 372
Davitt, Charles J., 158*
Dawson, D. W., 195
Dawson, H. L., 880
Dawson, J. D., Jr., 1109
Dawson, J. W., 288
Dawson, P. R., 1254*
Deaton, W. C., 367
Deeming, Herbert, 1110
Dehning, H. W., 287
Delnes, Fred E., 460, 813*
Delatour, Hunter L., 160
Delisi, Samuel P., 1213
Denman, Dr. Wayne L., 158
Dennis, Frederick L., 1108
Dennis, G. M., 455
Dent, J. K., 344*
DeVillers, R. A., 372
DeWolfe, J. Albert, 289
Dezine, Clayton F., 757
Diamond, C. H., 194
Dickinson, E. O., 194
Dickinson, H. T., 760
Diegtel, Fred, 1191*
Dierks, Carl, 194
Dick, Merwin H., 666, 744*
Dickson, W. H., 893
Dill, Russell, E., 115
Dillard, J. M., 249‡, 521
Dilley, C. C., 282
Dimke, John H., 1109
Dingle, Stanley F., 326*, 458, 1020
Ditman, F. W., 327
Dixon, John E., 276
Dizard, Wilson, 194
Dobbe, Frank A., 416
Dodson, C. R., 521
Doebber, F. I., 164
Doke, M. E., 937*
Dollison, O. S., 626
Donald, L. F., 1179
Donnelly, J. J., 1025
Donovan, J. J., 1157
Donovan, J. Parker, 327
Donovan, L. E., 719
Donovan, T. A., 814*
Doolan, J. Frank, 568
Dorey, R. J., 1157
Dorigan, Harry W., 813*, 1267
Dougall, Leroy, 283
Douglass, Frank P., 464
Dow, Raymond W., 1157, 1268*
Doyle, R. E., 327
Dreyer, O. Daniel, 936
Drill, Walter L., 760*
Driscoll, J. P., 719
Dube, Michael, 896
DuBose, R. T., 1158*
Dudley, Harold M., 283
Duff, F. A., 936‡, 937
Duff, William G., 717
Duffer, S. M., 1159
Duffy, Gerald E., 199*
Duffy, J. E., 1255*
Duffy, John F., 1110, 1214*
Dugan, John P., 460
Duke, G. Y., 674
Dumaine, Frederic C., 233*
Dunham, Harlow J., 520
Dunlop, William, 460
Dunn, Ralph G., 416
Dunton, F. D., 719
Duval, Nathaniel E., 714*
Dwyer, Thomas J., 327‡
Dye, G. J., 780
Dyer, W. G., 460

E

Earley, Felix E., 414
East, L. P., 881*
Eastes, Phillip R., 165
Eastham, G. H., 420
Eastman, Dean H., 119, 248*
Eaton, Frederick H., 1263
Eaton, James W., 809*
Echols, George H., 123, 202*
Echols, J. E., 857
Eckart, Clark A., 857
Eckfeldt, William P., 898
Eckman, M. P., 1022, 1025
Eckstein, Albert W., 282
Edgar, A. G., 933
Edison, Charles, 1018
Edsforth, C. D., 164
Edwards, D. A., 1108
Edwards, Dr. Ford K., 1057*
Edwards, Leverett, 804*
Eggers, E. T., 1209
Egner, C. Lloyd, 760*
Ehrhart, T. J., 1060
Eisenhardt, E. H., 1109
Elg, E. G., 1263*
Elkins, Clayton R., 673‡
Ellicott, Charles R., Jr., 714
Elliot, Joseph F., 857*
Elliott, John H., 416
Elliott, V. B., 123
Ellis, C. O., 232
Ellison, W. C., 1159
Elmburg, J. C., 366
Elmore, P. W., 1033
Embry, Norris W., 568
Emerson, H. M., 1109
Emery, A. Edwin, 675, 858*
Emery, K. M., 245
Emken, Cecil W., 193, 1148
Emrich, George S., 712
Engh, A. C., 112
Engh, Harold V., Jr., 323
Eninger, R. P., 1104*
Ennis, W. L., 1179
Erben, H. V., 836*
Erickson, H. E., 675
Ernst, C. A., 1109

ELECTIONS AND APPOINTMENTS—Continued

[*Indicates photograph and sketch; ‡Indicates sketch only]

Etheridge, Robert T., 1062*, 1109
Ethridge, Robert P., 898
Evans, L. A., 1097
Everett, D. J., 1110
Exline, C. W., 674

F

Fahland, Frank, 166, 329*
Fair, J. M., 123
Fairbanks, Edwin B., 113*
Farley, William T., 527, 805, 923
Farischon, Wendell J., 245‡
Farley, T. R., 455
Farmer, C. F., 1109‡
Farrell, George R., 664*
Farrell, W. J., 1116*
Farrow, George B., 164
Faulconer, E. L., 119
Faulkner, L. E., 760‡
Faupel, Chester H., 719
Faust, Edgar, 322
Fawcett, Dwight A., 325* 326
Fee, C. Allen, 894*
Feeney, J. M., 194
Felton, Samuel, 1035*
Ferguson, David C., 630
Ferguson, Thomas M., 196
Ferner, D. E., 1192
Fetters, Carl L., 1209
Fetzner, W. G., 1100
Feucht, Paul E., 457, 1060
Field, Miss N. V., 245
Fields, H. G., 712
Fife, Rhees, 288
Filsinger, Raymond H., Jr., 932*
Fink, H. B., 459
Finley, C. T., 618
Finley, Floyd T., 1153
Fischer, Charles J., 420
Fischer, Frank H., 713* 809
Fisher, A. W., 456‡, 666*
Fisher, C. P., Jr., 833*
Fisher, J. W., 933
Fitzgerald, Eugene T., 165
Fitzgerald, James T., 123, 232, 329*
Flanagan, A. W., 1040
Flanagan, G. J., 194
Flannery, Eugene G., 159
Fleet, W. R., 630
Fleming, Philip B., 1053
Fletcher, Robert J., 519
Flihn, Rufus H., 118I
Flinn, William T., 631
Flowers, Enoch D., 164
Flynn, H. J., 814
Flynn, H. R., 471*
Foery, F. F., 712
Foley, F. J., 1213
Foley, M. P., 814
Fontaine, J. E., 244
Forbes,, J. A., 630
Ford, H. L., 460, 813*
Ford, Nancy, 1035
Forrest, George E., 288
Fossick, J. L., Jr., 248
Foster, Frank S., 666
Foster, Gordon, 754
Foulks, E. E., 851
Foutts, W. L., 858
Fowler, Gordon J., 666
Fowler, W. E., 661
Fox, J. C., 526
Fox, T. E., 521
Fraine,, J. N., 458*, 520
Francis, J. S., 1184
Frank, J. M., 936
Frank, Richard S., 1153
Frank, W. G., 196
Franks, K. W., 933
Fraser, D. W., 181*
Frazier, S. J., 1156
Fredette, R. G., 284
Freed, R. R., 898
Freeman, Charles, 656
Freeman, L. B., 164, 573, 936
French, E. S., 280
French, Frederick W., 459
French, Graham M., 201
Friday, Roy W., 896
Fridfinnson, Walter, 288
Friend, James A., 1153
Friend, James E., 155, 237, 278
Fryers, A. F., 420
Fuerst, Fred J., 631
Fuller, D. W., 157
Fulton, Hugh L., Jr., 856, 1022*
Fulton, L. S., 755
Funda, F. P., 232
Funk, Harold H., 760*
Futral, W. B., 328, 371‡

G

Gada, N., 416
Gage, W. B., 164
Gainer, R. L., 1109
Gainey, John C., 857
Gallagher, Richard E., 675‡
Gallagher, Thomas F., 362
Galloway, A. K., 1224*
Galloway, G. L., 420
Gammie, R. J., 1237
Gangewere, E. Paul, 161*, 1161
Gann, J. W., 675, 1110
Gannett, H. E., 1214
Garrett, H. B., 1040
Garrett, L. J., 631
Gaughan, F. M., 322
Geis, L. W., 630
Gellhorn, Walter, 706
Gemmell, David J., 1209
George, Duncan M., 520*
George, R. B., 325
George, William C., 195
German, H. J., 629‡
Gibbs, Clarence, 288, 327‡
Giddings, J. S., 876*
Gideon, Frank A., 716
Gidley, Edwin L., 714
Gifford, Gilbert L., 1101
Gilbert, Arthur M., 1159
Giles, William H., 173
Gillespie, H. B., 761
Gillette, J. R., 808
Gilliam, John W., Jr., 1019
Gillies, Fred M., 1060
Gilliland, J. E., 716
Gilmore, Lloyd J., 122
Gimson, W. H., 937
Girardy, Fred, 666
Gish, Vernon L., 326, 459*
Glacy, George F., 162*
Gladson, Guy A., 162*
Gleach, F. E., 760
Gleason, Clarence F., 719
Gleason, Owen, 1157
Gleaves, Victor B., 896, 935*
Gleeson, James J., 1101
Gleeson, William F., 895*
Glossbrenner, Alfred S., 893*
Gloster, Richard I., 165
Glover, L. W., 460, 718‡
Goebel, Albert K., 193
Gohr, W. J., 164
Golden, Clarence H., Jr., 1014
Goldie, F. W., 327, 372‡
Gonder, Douglas V., 163*
Gonzalez, L. M., 761
Goodloe, George M., 1019
Googe, P. H., 248‡
Goostree, L. W., Jr., 416
Gordon, Vernon A., 521, 630*
Gorges, Erwin A., 195
Gosnell, W. W., 674
Gottschalk, F. W., 880
Gould, B. R., 1157
Gourley, W. S., 937
Graham, S. A., 1033
Graham, S. M., 460
Grance, Henry J., 717
Grant, Douglas I., 420, 459*
Gravelle, Emory J., 631
Gray, William E., 114, 159*
Greco, A. E., 528
Green, James W., Jr., 517
Green, Otis A., 757
Greger, Henrik, 284
Gregg, Fred E., 717, 1213*
Griffith, R. C., 760
Griffiths, William E., 1026*
Grimes, F. R., 1062‡
Grimes, J. R., 460
Grisbaum, L. D., 1231
Grissom, J. C., 327
Grondahl, L. O., 196
Grothmann, A. H., 719
Grove, George R., 322
Grove, John R., 706
Grumley, W. B., 528
Guilfoyle, James E., 370, 674*
Gunderson, L. O., 158
Gunetti, Harry C., 626
Gunn, W. V., 630
Gunsallus, C. T., 568
Gurley, Fred G., 194
Guyton, V. O., 1159

H

Haas, W. H., 666
Hackenson, C. A., 898
Hackett, William W., 121
Hagan, Edmond J., 851
Haight, Henry S., 933
Haile, C., 1062, 1108*
Hale, H. W., 521
Hale, J. W., 573
Haley, James F., 195
Hall, A. F., 281*
Hall, Leonard, 1101
Halsted, Homer B., 716, 718*
Haman, Ralph, 666
Hamilton, Bryce L., 162, 248‡
Hamilton, R. B., 245
Hamilton, S. L., 674
Hamm, Walter J., 630
Hammell, A. L., 194, 281*
Hammond, W. S., 674
Hampel, Richard F., 250
Hampson, John C., 244
Hamson, Leonard E., 675*
Hand, Arthur M., 520*
Hanes, George H., 164
Hanna, W. R., 935
Hansen, H. A., 813, 896
Hansen, J. W., 323
Hanson, Charles F., 459
Hanson, George E., 1018
Harahan, W. J., 1159
Hardebeck, Edward J., 281*, 289
Harding, O. W., 780
Hardman, Leon A., 327
Hardy, C. L., 1103*
Hargreaves, G. E., 1256*
Harman, J. W., 1192
Harmison, J. B., 937
Harnett, W., 521
Harper, Horace W., 1260
Harper, J. S., 573
Harper, R. W., 896
Harris, Alfred M., 326
Harris, E. B., 898
Harris, F. J., 719‡
Harris, Reese H., 760
Harris, Robert H., 674‡
Harris, Sidney G., 196
Harris, W. B., 281*
Harshbarger, E. M., 1019
Hart, Roy P., 173, 542
Hartley, Albert E., 200*
Hartley, D. C., 1109
Hartsock, P. W., 661
Hartung, A. M., 281*
Harvey, J. B., 289
Harvey, V. F., 521
Harwell, Jesse, 137
Harwood, Donald L., 1208
Hastings, David T., 716
Hastings, E. M., 540
Hatton, William, 1263*
Haug, Adam, 717‡
Haupt, A. M., 896
Hawes, W. C., 287
Hawken, Evan B., 458, 460, 716*
Hawkins, George A., 367
Hawkinson, Edna, 851
Hawley, J. S., 890
Hawthorne, J. W., 898*
Hawthorne, V. R., 276, 1224*
Hayden, S. A., 1243
Hayden, T. C., 898
Hayes, J. D., 521, 630
Hayes, Reginald, 521*
Hayghe, J. H., 857
Hayghe, William E., 677
Haynes, W. Pryor, 119‡
Hayward, Thomas Z., 1103*, 1154
Hazelwood, H. L., 120
Healey, Paul T., 936, 1158*
Heard, Carleton F., 631*
Heaslip, F. J., 755*
Heaton, W. E., 808
Hedley, W. J., 542
Heide, Walter 420‡
Heilbrun, E. D., 158
Heimerdinger, Walter E., 123, 328*
Heineck, L. F., 630
Heisler, J. G., 1157
Helland, E. C., 631
Hellenbrand, Samuel H., 163‡
Hemphill, F. H., 573
Hempstead, R. C., 164
Henderson, Elmer W., 1143
Henderson, R. G., 568
Hendon, Robert C., 717*
Hendrickson, A. G., 571
Hendrickson, Robert N., 416
Henriott, R. W., 673
Henry, Robert S., 620*
Henze, W. A., 199
Herbert, George B., 857*
Herbert, Harry, 887*
Herdman, E. B., 120
Heron, J. H., 201*
Herrera, Antonio F., 761
Herron, J. C., 1037*
Hersether, Norman, 857
Hiam, Gerald, 936*
Hickey, S. Wayne, 197
Hicks, R. L., 1268
Higginbotham, W. C., 813
High, L. A., 1109
Hilkert, M., 631
Hill, Arthur M., 527
Hill, David A., 1101
Hill, George M., 1213
Hill, James B., 345*, 1190*
Hill, John A., 857
Hill, R. B., 322
Hill, R. F., 265
Hill, William B., 935, 1108‡
Hillis, W. H., 1059
Hinckley, Percy S., 163
Hirschthal, M., 284
Hobb, J. W., 1157
Hobbs, E. W., 420
Hobbs, W. H., 420*
Hoffelder, George A., 122, 249*
Hoffman, O. H., 157
Hogan, James P., 1110‡
Hogan, John X., 1263
Hohnbaum, M. E., 573
Hoisington, G. R., 372
Holden, John, 165
Holden, William J., 119‡
Hollyman, F. K., 936*
Holmes, A. J., 1018
Holmes, C. R., 1256*
Holmes, J. D., 196
Holmes, R. R., 667
Holton, W. B., Jr., 415
Homberger, Dr. Ludwig M., 411
Hoppe, A. G., 420
Hopper, Arthur B., 460
Hotaling, H. W., 460
Hough, William S., 193
House, George J., 1110
Houston, C. C., 202
Houx, F. L., 1192
Hoverson, J. B., 164
Howard, H. W., 717
Howard, Lee W., 762
Howard, Neal D., 542*, 666
Howell, Max D., 1209
Hrebec, John M., 1025
Hubbard, John G., 808
Huckaby, Jesse W., 674, 897*
Hucksold, A. F., 520, 629‡
Huebner, W. L., 1207
Huff, Walter H., 717‡
Hughes, L. J., 123
Hughes, Roy O., 1009, 1087*
Hull, J. B., 516*
Hultgren, I. H., 196*
Hungerford, Clark, 314* 542
Hunkele, J. J., Jr., 366
Hunt, A. L., 1097
Hunt, A. S., 1161
Hunt, J. N., 328
Hunt, R. W., 762
Hunter, Harry C., 456
Hupp, B. W., 529
Hurn, D. F., 164
Hursh, J. R., 665
Husemeier, Otto J., 372
Hutchings, W. R., 1184
Hutchins, Curtis M., 393*
Hyatt, E. L., 858

I

Ikirt, E. M., 626
Ingman, D. E., 327
Ingraham, W. F., 199‡
Irish, Edward R., 275
Irwin, Thomas H., 718*
Isenogle, E. B., 1245
Israel, H. A., 521
Ivory, Paul C., 201

J

Jackson, Andrew, 889
Jackson, Charles T., 166‡, 1179
Jackson, J. R., 471*
Jackson, R. P., 517*
Jackson, Walter S., 282
Jacobs, Bert C., 370
Jacobsen, H. B., 163‡
Jacobsen, W. B., 120
Jahn, C. R., 1153
Jahn, Herbert, 1153
James, Harold C., 674
James, Harry C., 858
James, T. P., 1157
Jamieson, D. D., 1213
Janis, Mal, 754
Jarvis, J. W., 881*
Jasper, Paul G., 362
Jass, John E., 1154*
Jedele, G. H., 370, 673‡
Jefferson, C. E., 164
Jeffords, L. S., 248
Jeffries, John L., 1109
Jellinghaus, Carl L., 1101
Jenks, Stephen M., 245
Jepson, A. C., 457
Jernigan, C. W., 851
Jessup, G. F., 370
Jobb, R. P., 248, 370*
Johaneck, George J., 113*
Johnson, G. D., 813
Johnson, George R., 517
Johnson, H. J., 935
Johnson, J. Monroe, 527
Johnson, James L., 1209
Johnson, P. L., 898
Johnson, R. E., 933
Johnson, Roy F., 1262

hnson, W. A., 124
hnson, Walter H., 120, 248*
hnson, William D., 1152
hnson, William G., 1154
hnston, A. V., 1026
hnston, Chester A., 1109*
hnston, Harry D., 326
hnston, Paul W., 890*
hnston, R. C., 419
hnstone, R. B., 667
nes, E. L., 719
nes, Henry C., 1157
nes, Howard, 674
nes, L. M., 460
nes, O. P., 1207
nes, R. W., 164
nes, William D., 196, 1264
rdan, C. G., 674
rdan, D. W., 712
rdan, Harvey B,. 245
yce, W. B., 568
dd, S. F., 1262
lius, Edward C., 164

K

Kaiser, Edwin L., 892
Kalish, David F., 1262
Kambach, M. Russell, 517
Kamm, Warren E., 370, 717*
Kamper, M. J., 165
Kane, Joseph S., 889
Kapenos, Joseph S., 164, 459, 630*
Karpen, Harry M., 245
Karpen, J., 245
Karpen, Leo, 245
Kasmeier, J. H., 1110
Kavanagh, Edward W., 284
Kavanagh, Frederick Jr., 760, 896‡
Keach, J. R., 933*, 1263
Kearney, L. E., 719
Keil, Edward, 718‡
Keith, Gordon M., 289
Kelley, F. Dade, 460
Kelley, Lloyd A., 716*
Kelley, W. E., 120
Kelly, Phillip M., 717, 1212*
Kelly, W. W., 1252*, 1243
Kenady, J. C., 1267
Kendall, W. H., 248, 287*
Keniston, F. A., 887*
Kennedy, Elwyn B., 459
Kepner, C. L., 1153
Kerr, Charles, Jr., 526
Kerrigan, E. M., 163‡
Kerwin, J. E., 1110
Keyes, Sanford H., 371
Kibbey, Hal P., 1209
Kiburz, R. H., 164
Kilberry, F. Howard, 1153
Kiley, J. P., 1202
Kilgore, Dr. Alson R., 814
Kilmer, L. E., 618
Kimball, L. P., 1134
King, A. A., 762
King, C. P., 1214
King, F. L., 420, 459
Kirk, J. C., 1116*
Kirsch, J. I., 165
Kittredge, Donald F., 664*
Klaus, T. A., 158
Klein, Thomas F., 322
Kline, J. H., 1267
Kline, Lawrence J., 850
Kline, W. E., 367
Klingman, A. U., 1262
Kluender, W. A., 881*
Knowles, Troy, 329
Knudson, James K., 364, 622, 751, 802*, 849, 930
Koeneman, Ralph F., 1263
Kopp, George C., 571
Kopp, Norman W., 762
Korey, Harold R., 321
Kozomian, George, 367
Kraft, F. T., 719
Kraska, E. J., 1188
Krause, J. A., 896
Kremer, Walter W., 1107, 1212*
Krom, George W. M., Jr., 1109
Krumm, W. H., 1062‡
Kuhns, F. T., 1207
Kurfess, L. S., 937
Kurka, Frank G., 1213
Kusz, William, 245‡
Kyle, Willard H., 458, 521

L

Lace, G. C., 201
Lacher, Walter S., 542*, 1161
Lacy, D. B., 719
Lafferty, W. J., 164
Laird, W. E., 675
Lally, George R., 719
Lammers, D. L., 416
Land, Emory S., 527
Lang, C. H., 833*
Lanigan, R. L., 936
Larkin, W. W., 661
Larsen, A. Ernest, 717
Larsen, Carl A., 897*
Larsen, Clarence E., 122
Larsen, O. I., 266*
Lathrop, Charles T., 571
Lavelle, E. P., 199
Layng, Charles, 1193
Lazich, B., 456‡
Leach, J. P., 428*
Leary, John A., 460, 718‡
Lecanda, J. F., 761
Ledin, E. W., 289
Lee, Harold A., 674
Leet, Clifford S., 1021‡
Leighty, G. E., 1097
Leland, Harold B., 1208
Le Mattre, Philippe, 897
Leonard, Lloyd, 164
Leopold, Harold A., 460
Lewis, O. O., 755*
Lewis, Robert G., 714
Lewis, W. C., 521
Libby, William P., 122
Likens, P. O., 165
Limbrock, J. W., 460*
Lind, J. N., 661
Lindorfer, Charles J., 521
Lipscomb, W. P., 665
Liston, F. J., 896
Littlefair, Frank B., 521
Littleton, Edward J., 457
Lochner, P. R., 158, 195*
Locke, E. H., 521*
Lockhart, Gelston P., 122
Loeffert, A. L., 573
Loeffler, H. S., 540*, 542, 927
Loftis, J. D., 753
Lofton, E. K., 1060
Logan, Thomas B., 1153
Lokotzke, G. P., 687
Long, L. G., 1134
Longway, J. P., 887*
Loomis, Daniel P., 1101
Lord, Scott, 162‡
Lott, Y. D., Jr., 1023, 1213*
Louch, A. W., 630
Love, Carl A., 459, 762*
Low, A. C., 674‡
Lucas, C. K., 675
Lummis, W. W., 814
Lunsford, J. T., 1214
Luthi, N. E., 288
Lutterman, B. E., 459
Lutz, A. T., 761
Lydon, J. W., 288, 289
Lyle, A., 458

M

Mabel, Max, 893
MacAnanny, James R., 630, 857*
MacBeth, Hilliard, 630
MacChesney, Chester M , 1060
MacClurkan, Samuel, 196, 416, 570‡
Macdonald, Charles M., 163
MacDonald, James, 322
Mackay, Stanley F., 1022, 1156*
Mackey, Harold F., 1110, 1159
Mackie, David S., 757
Macklem, George, 201, 327‡
MacNeal, A. J., 667
Madden Mrs. Amy, 851
Madden, Lee, 1153
Madison, F. W., 123
Magee, G. M., 471*
Maguire, Jack R., 329, 528
Maguire, Thomas H., 459
Mahanes, C., 933
Mahoney, J. E., 164
Mahoney, John J., 897
Major, C. A., 239
Malone, H. D., 195
Malott, F. R., 896
Manley, J. E., 896
Mann, G. M., 674
Mannon, Theodore, 933
Manson, William, 1267
Manterfield, Erskine W., 416
Marchmont, G. T., 244
Marsh, E. S., 457
Marsh, J. F., 123, 329*
Marshall, John S., 520*
Marshall, William A., 1109*
Martin, C. M., 288
Martin, T. Finck, 719
Martin, W. W., 281*
Marx, T. W., 416
Marxen, A. V., 851
Masey, A. A., 372
Mason, E. G., 196
Mason, H. A., 1214
Mason, R. W., 420
Massoth, Clifford G., 528
Mathias, W. J., 717
Matthews, Alexander, Jr., 288
Mattingly, G. Heard, 111
Mattson, Albert A., 195
Maughmer, G. F., 516*
Maull, Baldwin, 457
Maurer, C. E., 858
Mautre, J. L., 893*
Mavis, Vera, 119
May, Harry B., 1109
May, K. C., 896
May, Richard G., 327*
Mayer, Edward N., 122‡
Mayo, E. E., 1040
McAfee, Robert S., 1268
McArthur, Walter E., 113
McBain, S. T., 1157‡
McCann, F. D., 529
McCann, Francis G., 677
McCann, J. K., 1250*
McCarthy, T. P., 459
McCartney, James F., 244
McCaughan, J. C., 1252*
McClean, V. Henry, 1062‡
McClements, Samuel, Jr., 158
McColl, Robert B., 181*
McCombs, L. J., 568
McCorkel, H. R., 367
McCorkle, J. B., 1062
McCormick, J. C., 896
McCormick, John A., 1208
McCoy, Lewis W., 1022*
McCoy, V. E., 158
McCue, John T., 858
McDonald, J. E., 630
McDonald, J. S., 937‡
McDonald, W. J., 344*
McDonough, M. J., 120
McDonough, Roger I., 451, 619, 844, 883
McElroy, George T., 1108, 1157‡
McElvany, E. A., 674
McFall, Thomas G., 165‡
McFarlane, H. M., 479*, 893
McGarry, J. J., 460, 718*
McGee, Lawrence, 850*
McGinnis, S. E., 372
McGogy, J. S., 288
McGrath, Dale, 459
McGregor, A. L., 896*
McGuire, Nelson M., 808
McHale, T. J., 898
McHugh, Edward C., 1022, 1212*
McIntyre, R. C., 1157
McKeen, Chester M., 1023
McKemie, R. P., 813
McKeon, R. Dale, 1159
McKeown, T. M., 1023
McKnight, William A., 283
McLean, P. G., 675
McLeod, D. N., 675
McLeod, H. W., 460
McMahon, Harold J., 1104
McMahon, J. M., 1109
McMichael, John C., 1062
McNeill, A. L., 626, 666*
McNeill, W. H., 1101
McPake, Charles P., 674
McQuillin, F., 526
McRee, C. A., 762*
McVeigh, William M., Jr., 813
McVicker, E. W., 164
McWilliams, O. C., 897
Mello, R. E., 521
Menzies, N. W., 656
Mercier, W. J., 933
Merrell, Dwight L., 158
Metzdorf, G. F., 289
Metzman, Karl L., 371‡
Meyer, Carleton W., 162*
Michel, Joseph J., 281*, 289
Michels, Norman C., 456
Middleton, J. G., 674‡
Miles, J. W., 1254*
Milford, Charles E., 677
Miller, A. T., 164‡
Miller, Antone, 1157
Miller, B. C., 630
Miller, C. D., 120
Miller, Collins C., 250
Miller, F. A., 754*
Miller, G. W., 542
Miller, Gerard F., 813
Miller, Harold A., 666
Miller, Joseph L., 706
Miller, William G., 571‡
Millican, M. C., 630
Mills, John R., 1109
Mimms, A. E., 719‡
Minchin, G. H., 131, 457, 458
Minnick, M. R., 195*
Mitchell, F. K., Jr., 1157
Mitchell, John M., 517
Mitchell, Monta G., 326, 370*
Mitchell, R. C., Jr., 121
Mitchell, Richard F., 107, 192, 364, 512, 624
Moffett, Frank E., 665*
Moffitt, H. A., 630
Mohn, Louis, 159
Moline, Carl R., 455*
Mollencott, R. T., 898
Monahan, William J., 892
Monroe, H. Allen, 372
Monsler, Melvin O., 323‡
Montheard, Rene, 898
Moore, E. T., 239
Moore, Sym, 1108
Moorhead, A. H., 626
Moran, R. T., 933
Morgan, C. A., 120‡
Morgan, H. G., 1184
Morgan, H. H., 626
Morgan, James C., 1154
Morgan, M. B., 1154
Moriarty, J. F., 814
Morrill, John R., 1263
Morris, J. P., 131, 1059, 1110*
Morris, Paul M., 858*
Morris, R. D., 1268
Morrison, W. M., 120
Morrow, W. H., 122, 164
Morse, Col. Robert H., 665*
Morse, Robert H., Jr., 665*, 1208
Morton, C. I., 1191*
Morton, L. L., 344*
Moses, George, 887*
Mosher, L. G., 202
Mottier, C. H., 1184
Mouring, T. M., 202
Moxham, H. G., 1100
Mueller, Arthur W., 1153
Mueller, S. E., 675
Mueller, Walter B., 1025
Mulcahy, E. T., 323
Mulconnery, Maurice J., 897, 1024‡
Mullaney, Patrick J., 631*
Mullen, F. E., 414, 525‡
Mulligan, William C., 162
Mulvena, C. J., 850
Munger, Dr. Hammett P., 365
Munnikhuysen, W. F., 667
Munson, Harry C., 1267
Murchison, R. G., 288
Murphey, Arthur B., 756
Murray, Frank J., 420, 573*
Murray, William H., 521, 760*
Murrin, Donald C., 754

N

Nagels, E. C., 1108
Napp, W. H., 1018
Nash, John F., 327*
Nash, Robert N., 419
Naugle, P. J., 712
Naylor, Norman C., 809*
Neal, Burford M., 281*, 289
Neal, Glenn E., 1060
Neale, J. W., 717
Neeley, Bessie, 851
Neff, Paul J., 173
Neill, A. P., 896
Nelson, C. J., 460
Nelson, Earl M., 892
Nelson, Richard H., 196
Nelson, Robert W., 196
Neubauer, C. B., 1242*, 1243
Neuebaumer, H. W., 1040
Newgard, Gene R., 935
Newkirk, John R., 159*
Newland, H. F., 288
Newman, John H., 1034*
Nichols, Mongin B., 119‡
Nicholson, Frank H., 456*
Nickerson, Ernest C., 812*
Nicol, J. J., 459
Nikolai, A. F., 719
Nobile, V. P., 933
Noble, S. E., 700
Nolan, G. R., 936, 1213
Nolan, John C., 288
Norberg, Carl F., 284
Nordholm, Birger, 1018
Norris, Ernest E., 194
Norris, Harry I., 896
Norton, Phil, 626
Norway, John R., 164
Norwick, C. O., 288
Nourse, G. H., 813
Nuckols, L. T., 908
Nugent, W. R., 520
Nystrom, A. V., 675‡

O

Oaks, John F., 1157
Oatley, Henry B., 625‡
O'Connor, A. F., 197*
O'Connor, J. F., 164
Odom, G. R., 851
O'Hara, Clifford B., 1274
O'Herron, Robert E., 898
Oldenquist, Andrew G., 1109, 1268*
Olsen, Daniel J., 714
Olsen, O. L., 667
Olson, A. B., 367
Olson, Edwin A., 953*
Olson, Ernest P., 200*
O'Malley, M. J., 451, 619, 844, 883
O'Neill, F. A., Jr., 155, 194
O'Neill, J. C., 1157
O'Neill, Jeremiah J., 458, 629*
Ornburn, B. J., 631*, 1179
O'Rourke, G. M., 542
Osborn, Prime F., III, 1023
Outlaw, R. S., 459
Overbey, C. O., 131
Oviatt, E. E., 568
Oxsen, Howard, 367

P

Pace, Samuel C., 856‡, 858
Padrick, Earl B., 851

ELECTIONS AND APPOINTMENTS—Continued

[*Indicates photograph and sketch; ‡Indicates sketch only]

Page, William, 893
Palethorpe, J. L., 630‡
Palin, A. W., 245
Palma, George, 157
Palmer, M. M., 761
Papa, Joseph A., 200
Park, Howard F., Jr., 1208
Park, Roger, 201
Parker, Spencer L., 460, 761‡
Parkes, Holcombe, 153‡
Parkinson, J. A., 131
Parr, E. H., 755
Parr, Gilbert Jr., 193, 805‡
Parr, H. P., 1159
Parsons, John S., 814
Parsons, R. K., 897*
Patterson, A. E., 755
Patterson, Clem, 288
Patterson, Robert G., 1104*
Patterson, William J., 930
Payne, E. C., 526
Peake, W. H., Jr., 768
Peck, Z. G., 755
Peckover, H. E., 1159‡
Pedginse, D. E., 933
Peeler, T. L., Jr., 1107
Peelle, Henry E., 520, 1157
Pelton, D. F., 1267
Pember, R. W., 165
Penl, Frank G., 517*
Penland, George H., 163, 287*
Pennington, F. E., 1023
Penrod, M. A., 158*
Peppard, J. A., 1264
Perkins, J. L., 1214
Perkinson, T. F., 526
Perlman, A. E., 1139*
Peronto, Fred, 165*
Pescud, George H., 675*
Peters, John S., 677
Peters, L. H., 712
Peterson, C. G., 780
Peterson, E. W., 568
Peterson, G. B. D., 517
Pethes, C., 1179
Pevler, Herman H., 194
Pfarr, Walter L., 1023‡
Pfeiffer, C. L., 761
Phelps, Andrew H., 597*
Phelps, H. I., 719
Phillips, E. D., 121
Phillips, J. E., 118
Pickett, Frank, 571
Pickup, A. H., 455*
Pierce, R. J., 814
Pike, H. G., 250‡
Pinschmidt, W. C., 673
Plumley, Roy D., 248‡, 370
Plunkett, A. O., 288
Pobloske, B. G., 1179
Pollard, Glenn E., 755
Ponton, R. L., 719
Poole, William J., 124
Porter, C. B., 908
Post, R. C., 1213
Potter, Charles G., 165‡
Powell, Howard S., 288, 372*
Powell, Col. N. A., 665*
Powers, Frank B., 1263*
Powers, John C., 719
Powrie W. G. 124*
Poyner Ashley 1025
Pratt, Henry H., 192
Prendergast, Thomas J., 897, 1025‡
Preston, Thomas L., 882*
Price, D. K., 327
Price, W. J., 1157
Prince, Gregory S., 1157‡
Prosser, George O., 898, 1110*
Pugh, L. H., 712
Purdom, H. S., 908
Purdy, E. V., 1251*
Purdy, H. L., 571
Purdy, J. W., 1033
Purnell, Frank, 893*

Q

Quarles, W. D., Jr., 288, 370*
Quick, J. G., 288

R

Rachels, W. E., 1110
Racine, L. F., 265
Radell, Wesley F., 460, 718‡
Raffensparger, Donald C., 121
Ramage, J. C., 329
Rambo, W., 675, 898
Ramirez Caraza, Juan M., 896
Randolph, R. G., 1026
Ransom, R. D., 372
Rasor, H. W., 814
Rath, Charles P., 287
Rau, A. H., 199, 287‡
Rausch, C. C., 158
Ray, J. P., 1033
Ray, M. N., 673
Rayburn, James G., 1262*
Raymond, Clarence, 673
Reed, C. D., 1157
Reed, J., 1263
Rehm, G. H., 460, 718‡
Reid, C., 935
Reid, William, 1157, 1267*
Reinbrecht, G. H., 1159
Rennie, Donald K., 517
Ressler, Harold B., 1103*
Reuss, Russell S., 288
Reyburn, Harry, 1109
Reynolds, A. H., 158
Reynolds, Frank H., 370, 673‡
Reynolds, Merle J., 760
Reynolds, Thomas P., 195
Rezner, J. D., Jr., 460
Rhoads, L. K., 249
Rhodes, Lewis B., 244
Rhodes, W. R., 157
Rice, H. S., 1109
Rice, Roland M., 1108‡
Richard, G. A. K., 287
Richards, Martin L., 371
Richardson, C. A., 471*
Richardson, C. O., 164
Richardson, J. L., 1158‡
Richey, G. D., 1268
Richmond, G. T., 416
Richter, F. E., 677
Riddells, H. D., 1109
Riedinger, R. C., 1159*
Riggs, M. Dudley, 122, 288*
Riley, James F., 1108, 1157‡
Riley, L. M., 120
Rindal, E. V., 329, 1159
Ringland, W. G., 858
Riter, Henry G., III, 1018
Roach, Rollin W., 935
Robb, Rowland, 248
Roberts, J. M., 371
Robertson, E. R., 717
Robertson, M. F., 755
Robinson, J. L., 813
Robson, William, 288
Roche, E. M., 164
Roethemeir, E. E., 935
Rogan, J. E., 719
Rogers, Ralph B., 1109, 1158*
Rohrer, C. H., 164
Rolf, Clarence H., 158
Rollins, J. Donald, 456
Roman, Randall, 1153
Ronnan, R. F., 674
Roome, Edward F., 326
Roose, M. A., 830
Ross, T. A., 1267
Roth, Richard M., 675
Rourke, Frank W., 162*
Rowe, Frank M., 420
Royce, Clarence J., 897, 1024‡
Ruddy, R. J., 521
Rudolph, O. J., 158, 195*
Rundell, S. C., 1214
Runge, Robert L., 1026
Runner, M. E., 1060
Rutledge, Russell W., 164
Ryan, B. Gregory, 813
Ryan, F. H., 1268
Ryan, John F., 459, 761*
Rydene, J. F., 630
Rydin, R. G., 457

S

Sage, Truman E., 666
Saggus, W. Vernon, 282
Sailor, J. N., 1109, 1213‡
Salisbury, W. W., 675
Salisbury, William E., 196, 714
Salmon, John M., Jr., 123, 165, 202‡
Salter, William B., 1108
Saltmarsh, C. H., 288‡
Sanders, F. L., 1025
Sanderson, C. S., 249
Sanok, Thomas J., 200*
Sansom, R. E., 760, 896‡
Sansom, T. E., 851
Santry, Joseph V., 570*
Satterwhite, W. E., 120
Saunders, William H., 1021
Schaeffer, J. William, 1263
Schaffer, R. P., 282
Schalk, Edward F., 1154
Scheid, P. J., 520
Schenkel, J. T., 199
Schepp, George, 675
Schiffers, A., Jr., 1060
Schilke, R. L., 328
Schiller, Charles L., 289
Schleuning, Robert H., 850
Schmidt, H. P., 232
Schmidt, William H., Jr., 666, 714*
Schmitt, John F., 756
Schnaitman, J. H., 856
Schnell, F. M., 157
Schnitz, Henry A., 329, 372‡
Schreck, W. D., 164
Schroeder, C. H., 674
Schuette, L. E., 937
Schuff, Ralph A., 165, 328‡
Schuller, W. G., 666
Schwalb, C. T., 137
Schwartz, Arthur L., 895
Schwartz, C. F., 719
Schwartz, Harry H., 889
Schwartz, K. R., 1268
Schwebel, R., 194
Schwietert, A. H., 462, 608*
Schwinn, Fred S., 137*, 479*, 539*
Scott, H. O., 933
Scott, John T., Jr., 1278
Scott, Kirby G., 1109
Scott, W. L., 521
Scott, Walter E., 158
Seabridge, W. L., 372
Seale, Thomas J., 420
Seaman, G. C., 367
Sederquest, W. R., 568
Sedwick, T. D., 322*, 329
Seip, Norman W., 1018, 1104*
Seitz, Arthur J., 822*
Selig, Lester N., 779, 1209
Senff, Henry M., 248, 287‡
Sevin, Addison J., 244
Seyer, C. F., 517
Shafer, George E., 1153‡
Shaffer, Donald R., 284
Shannon, H. J., 420
Shapiro, I. G., 1244*
Sharp, J. M., 517
Sharpley, Hiram F., 123*
Shaver, C. E., 630
Shea, James G., 166‡
Shea, William A., 371
Sheasby, Eugene G., 571
Shedd, Loren, 250*
Sheehan, W. M., 1208
Sheehy, David, 719
Sheeran, John F., 673
Shepherd, M. L., 1110
Shepley, S. H., 687
Sheppard, David P., 630
Sherfy, Malcolm M., 717‡
Sherk, R. W., 284
Sherman, George F., Jr., 250*
Shields, A. M., 936‡
Shields, William H., 111
Shonts, Theodore D., 371‡
Shook, A. G., 372
Short, F. E., 520, 1110
Shuman, L. W., 121‡
Shumate, Stuart, 121, 287*
Sido, George H., 1109
Siegman, C. G., 520
Silich, W. J., 194
Silsbee, C. S., 158
Simmons, R. G., 321
Simon, J. S., 896
Simonson, S., 808
Simpson, Clarence S., 415
Simpson, Elmer W., 1109
Simpson, R. L., 715
Simpson, R. L., 1107
Simpson, William, 1213
Sipp, Edward A., 894*
Sippel, Paul, 1101
Sitton, G. L., 540*, 927
Skog, Charles A., 458
Slattery, C. H., 287
Slattery, Thomas D., 1018
Slavin, Harold J., 371
Slay, R. S., 1268
Sloan, C. E., 1033
Small, Robert O., 1267*
Smith, Albert, 933
Smith, Alexander M., 1103
Smith, C. E., 1243
Smith, D. L., 629
Smith, Daniel J., 716
Smith, Darrell, 892
Smith, G. C., 1109, 1213‡
Smith, Harley H., 1157‡
Smith, Harry H., 1108
Smith, Heber, 920
Smith, J. L., 631
Smith, L. W., 568
Smith, Leslie R., 630
Smith, Lloyd L., 1109, 1158‡
Smith, M. A., 936‡
Smith, R. H., 1104
Smith, R. H., 801*
Smith, Ralph C., 163‡
Smith, Rommie B., 897, 1025*
Smith, Ronald B., 714
Smith, S., 344*
Smith, Sidney A., 121
Smith, Thomas H., 893*
Smith, Warren L., 713
Smith, William A., 287
Smithburg, P. L., 460
Smucker, David E., 160
Smyth, J., 630
Snyder, F. C., 164
Snyder, T. N., 284
Sommerville, D. L., 1134
Sorensen, August L., 1110‡
Sossaman, H. M., 571
Sowatsky, A. J., 1159
Sowers, Robert D., 664*
Spangler, Daniel M., 719
Spangler, J. M., 416*
Spangler, P. F., 937
Spearing, E. A., 521
Specht, F. W., 715
Speers, Charles R., 1018
Speight, J. K., 367
Spenner, Fred H., 892
Spette, A. E., 157
Sprinkle, Howard H., 755
Sprunt, T. P., 1150
Stadler, H. C., 327
Stahl, G. W., 196
Stair, J., Jr., 526
Stanley, Maurice, 111
Stant, R. R., 120
Starbuck, John C., 249‡, 1192
Stark, C. A., 521
Stearns, D., 851
Stecker, LeRoy H., 371
Steele, John E., 460‡
Stemm, Wesley J., 164
Stenfelt, William N., 164
Stephens, G. S., 1267
Stephens, H. K., 897
Sterling, John J., 1268*
Stevenson, Robert E., 895*
Stewart, A. D., 165‡
Stewart, A. K., 288
Stewart, J. I., 521
Stewart, J. W., 896
Stewart, T. A., Jr., 850
Stewart, W. P., 1243
Stinson, Thomas M., 892
Stolzman, L., 367
Stone, Chester K., 754
Stone, J. L., 857
Stone, Michael, 196
Stone, R. J., 521
Storest, F. G., 898
Storms, W. S., 157
Stover, C. W., 630
Streicher, R. H., 118
Streit, R. G., 248‡
Streyer, J. A., 137
Strickland, Earl E., 328, 371‡
Strout, W. J., 568
Stubert, G. B., 1101
Stufflebeam, George T., 159, 194*
Sudhoff, A. G., 1025
Sugden, J. L., 1023‡
Sullivan, J. W., 517
Sullivan, Leo V., 459, 629*
Sullivan, Richard J., 718, 1157*
Sullivan, W. Paul, 201‡
Surcheck, J. G., 158
Sutton, R. M., 163*
Swacker, Frank M., 362
Swain, B. W., 521
Swanson, C. E., 165, 328*, 1243
Swartwood, C. N., 937
Sweeney, F. G., 370
Sweeney, Merle S., 164
Sweetman, Henry V., 327
Swift, James J., 200*
Swim, H. Dudley, 1263
Swingle, W. E., 1268
Symes, J. M., 276
Syverson, A., 1267

T

Talbert, W. W., 158‡
Tanner, Virginia, 528
Tasso, Roma, 851
Tate, H. F., 528
Tattershall, E. R., 1110
Taylor, Clarence M., 1263
Taylor, E. S., 157
Taylor, Fred L., 460, 718‡
Taylor, J. T., 1109
Taylor, John L., 416
Taylor, L. G., 1231
Taylor, Woodrow L., 857
Teague, F. G., 1108
Teets, A. G., 164, 371
Tefft, L. I., 420
Terrell, R. L., 625*
Thacher, John ., 153
Thacker, Charles W., 288, 618
Theobald, H. M., 326
Thole, Clarence L., 1101
Thomas, J. W., 1060
Thomas, L. R., 131
Thompson, A. L., 122
Thompson, Arthur C., 288‡
Thompson, Arthur P., 630
Thompson, C. M., 460
Thompson, Frank W., 123, 232, 328*

epson H. A., 456*
epson, J. R., 197, 244*
ason, D. S., 1267
sher, C. E., 194
ckmorton, William B., 123, 328*
lin, Earl, 1060
ney, Roy W., 288
e, Francis C., 415
ord, John E., 344*, 1190*
merman, Harry, 367
mins, H. B., 1157
kelpaugh, H. R., 419
ssem, R. P., 857
y, P. S., 266*
by, T., 755
ler, Oscar S., 121‡
mbe, R. V., 675
mpkins, M. W., 813
mpkins, William F., 194
ner, James V., 572
rant, J. W., 1060
ola, Zary A., 714
wner, M. E., 1243
ber, H. L., 1023
gnitz, J. W., 165
ris, C. V., 1263
vis, William E., 936
ynham, A. C., 933
dway, F. Q., 282
eleaven, Wesley W., 371*
ieschmann, A., 248
issal, J. M., 289*
oth, R. W., 1214
owbridge, K. A., 1025
owbridge, William S., 162
uax, Walter T., 248, 288‡
udeau, O. A., 937*
ulove, H. A., 122
uman, K. A., 460
rk, E. T., 712
cker, A. Warren, 629*
ner, Paul, 667
ner, Thomas F., 281*, 289
ner, W. A., 667
hill, John M., 158
ny, Howard F., 754
yman, Elmer F., 1154*
ier, F. C., 199

U

hl, Dean, 416
nangst, Harvey S., 1157
pham, John H., 165
rban, S. G., 1237
rquhart, L. P., 120
tley, E. H., Jr., 760

V

Valdes, Lorenzo V., 675
Van Burk, John J., 761‡, 936
Van Cleave, Paul C., 1153
Van Der Kar, A. L., 1060
Vandiver, E. M., 898
VanEvery, James R., 857
Van Hee, A. J., 1023
Van Hoesen, F. E., 197
Van Horn, Charles R., 1018
Van Ingen, D. K., 520
Van Landschoot, A., 520
VanSise, George, 605*
Varner, Homer M., 1157
Vaughan, H. H., 1157
Vaughan, K. A., 893*
Vazquez, G., 674
Verlot, J. B., 897
Vik, E. A., 1267
Villette, V., 516*
Vincent, Colonel J. G., 111
Vipond, Robert S., 164
Vogel, Robert H., 201, 327‡
Voorhees, B. S., 111

W

Wade, J. W., 165‡
Wade, Reginald N., 250‡
Waggener, J. J., 814
Wakeman, William D., 719
Wales, H. M., 416
Walker, Aitkin, 936*
Walker, D. E., 521
Walker, George A., 1195*
Wallace, R. J., 757
Walsh, W. R., 755
Wang, A. B., 265
Ward, A. E., 1178
Ward, Hugh J., 1152
Ward, L. E., Jr., 573
Wardley, G. P., Jr., 892
Wardwell, W. C., 858
Warner, A. C. L., 761
Warner, G. E., 1157
Warner, R. B., 674‡
Warnick, William J., 813‡
Warrell, C. O., 460
Warren, James A., 281*, 289
Waterbury, C. L., 460
Waterhouse, David M., 755
Waters, Eugene H., 111
Watkins, Gordon S., 451, 619, 844, 883
Watson, Nathan W., 288, 371
Watters, James H., 809*
Watts, Margaret, 119
Way, William Jr., 317‡
Wayne, A. J., 420
Weaver, C. E., Jr., 120
Weaver, F. E., 1157
Webb, Philip A., Jr., 897‡
Webb, Walter G., 1262*
Weeks, Paul, 367
Wegmann, A. J., 1033
Weiffenbach, J. F., 1153, 1208*
Weil, Carryl L., 245
Weiland, P. J., 459
Weiss, V. R., 416, 808, 1209
Welch, E. M., 158
Welch, Harrison, 41
Wells, Robert I., 1025
Weymouth, W. H., 1246*
Whanger, E. M., 326*
Wheeler, F. E., 420
Whipple, J. H., Jr., 937
White, Chan H., 122‡
White, E. A., 287
White, G. E., 329
White, James D., 281*, 289
White, L. L., 248
White, Norman E., 288, 327‡
White, Warren T., 1062*
Whitehead, Lewis M., 121
Whiting, John T., 750*
Whitlock, F. C., 712
Whittemore, Laurence F., 233*
Wick, Howard C., 894
Wiegner, G. L., 367
Wiesemann, Otto F., 666
Wigand, Edward H., 1109
Wiggins, C. N., 459, 762*
Wiggins, J. W., 568
Wild, F. J., 1018, 1109, 1159‡
Wildeboor, R. C., 521
Wilhelmsen, R. K., 1026
Wilhelmy, George F., 664*
Wilks, John R., 1153
Williams, B. S., 284
Williams, C. D., 898
Williams, Edward F., 572
Williams, G. K., 164
Williams, James R., 666, 755
Williams, S. G., 250‡
Williams, T. D., 166, 327
Williamson, Lamar, 248
Williamson, M. A., 568
Williamson, Gen. William J., 952*
Willingham, L. R., 329
Wilson, Charles E., 1157
Wilson, G. W., 833*
Wilson, Perry W., 122, 249‡
Wilson, Robert H., 1109
Wilson, W. L., 420
Wilson, William C., 1110, 1159‡
Winfield, J. H., 631
Winkler, A. J., 573
Winlock, Joseph, 568
Winship, Roger, 1263
Winter, A. A., 137
Winter, Paul H., 673, 717‡
Winterberg, H. H., 1104
Winters, Gordon, 196*
Wintrich, Raymond G., 858
Wise, S. J., 761
Witt, Sylvester F., 1159
Wolfe, A. J., 460
Wolfe, Wilbur E., 283
Wood, C. E., 897, 898
Wood, E. J., 937
Wood, J. Leonard, 570‡
Wood, John A., 1108
Wood, R. H., 455*
Wood, T., 1157
Woodcock, E. L., 420
Woodruff, John M., 630
Woodruff, Robert E., 194, 239
Woods, Ferris W., Jr., 281*, 289
Woodward, E. L., 568
Wormser, H. H., 1231
Wright, Donald K., 158
Wright, Harvey R., 573, 761*
Wright, John F., 284
Wright, Virgil G., 460, 898‡
Wyer, William, 221*

Y

Yarber, Jack, 173
Yates, L. C., 801*
Yeager, W. R., 880
Yeckley, William H., 1209
Yelland, A. E., 1267
Yohe, C. M., 269
Yorke, Andrew C., 250
Yorston, G. J., 460
Young, H. H., 920
Young, Robert R., 1035*, 278
Young, Sam D., 667
Young, W. G., 761
Young, W. N., 626
Young, Wayne, 416
Youngs, Harold C., 756*
Younker, Theodore J., 460
Younkin, John E., 809
Youst, C. H., 459

Z

Zink, Herman, 618

OBITUARY

[*Indicates photograph and sketch; ‡Indicates sketch only*]

rmstrong, Richard, 571
shby, George F., 1062*
sheraft, Alan E., Sr., 284, 323

irch, F. E., 372
lanc, Sidney F., 1159
oatner, Victor V., 372‡
ourscheidt, Julius W., 326, 330‡
uck, John, 367
urke, W. H., 250

allender, Guy T., 372
allin, A. E., 124, 163
arlson, Edward A., 1062, 1110, 1214‡
arney, C. J., 719, 720
arse, Robert A., 197
hrismer, T. O., 814
lynch, Alfred J., 631, 857
ooper, Sidney B., 284
oyle, Walter H., 756
rock, F. O., 1213
ummings, Fremont H., 289
utler, John W., 1060

arrow, Frank T., 460
eems, John F., 1060*

hmer, George A., 420, 520, 573‡
merson, George E., 202

ike, Charles L., 933
ischer, Frederick J., 626
Fitzgerald, J. A. 166‡
Fleming, G. F., 327
Forss, Fred P., 197
Fraser, Harry W., 1009, 1087*, 1097, 1152

Ginzel, Lee A., 367
Goerner, G. A., 165
Gray, C. C., 937‡

Hammon, Thomas S., 1264
Hartman, F. B., 1154
Hazlett, Bert, 420
Healy, Walter F., 894
Helwig, M. Drew, 894
Hodges, H. L., 250‡
Holmes, Hugh B., 1159
Hood, Louis, 242
Horner, L. E., 289
Hosmer, Carey, 814‡, 1107

Janicki, Walter P., 367
Jenkins, Leon A., 521‡
Johnson, Emory R., 527
Jones, Edgar A., 372‡, 420
Jones, James A., 720

Kerr, Everett, 420, 573‡
Ketcham, Frank A., 284
Kirk, Arthur M., 720‡, 936
Knowles, Charles A., 330
Kratz, Charles C., 1023, 1062, 1159‡
Krugler, Joseph A., 1264
Kupp, Leo, 1214‡

Lammers, C. N., 762
Lane, John F., 283
Lewis, Harry W., 202
Lipetz, Alphonse I., 756
Logan, Robert F., 123, 166‡
Long, John E., 460
Lowry, Harold K., 1268

Macatee, William L., 1264
Main, H. J., 330‡, 458
Malcolmson, Harold T., 937‡
Marshall, Frank O., 202*, 460
Mauldin, Guy E., 460
McCloud, William H., 1159
McMunn, William R., 1026
Meisner, Oscar J., Jr., 166‡
Meister, H. O. K., 1264
Miller, Carroll, 109*
Mitsch, W. G., 201, 202
Mohr, Edward D., 372
Momberg, G. E., 420
Morrison, Dr. Wayland A., 202
Mulcahy, E. T., 714
Murphy, Charles E., 1153

Noonan, J. Joseph, 1275
Officer, Ernest, 631
O'Neal, Charles T., 814‡
Paterson, Reginald P., 1214
Peters, Irving M., 275*
Phetteplace, Louis H., 675‡
Pinger, William C., 289, 329‡, 459
Platt, J. Curtis, 675‡, 760
Pratt, Thomas E., 420

Reemer, A. C., 284
Richmond, Kenneth L., 720‡
Rogers, Robert, 894

Sagstetter, William H., 1214‡
Schaff, Frederic A., 323, 367*, 570
Schardt, Peter J., 858*
Schepp, George, 898
Schwendt, B. J., 1026, 1159
Sechrist, T. O., 809
Shoemaker, Harry B., 420
Shostrom, Charles, 124, 199
Smith, L. E., 202, 372
Smith, T. Duff, 720‡
Speno, Frank, 457

Thompson, J. S., 1159
Thornton, Earl W., 814

Walton, Norman B., 250, 326, 330*
White, William F., 1267
Wilson, Walter V., 937
Wise, Marion J., 844, 870*, 909

RAILWAY CONSTRUCTION

Alaska, 368
Atchison, Topeka & Santa Fe, 245, 934, 1154
Atlantic Coast Line, 368, 1154, 1265

Baltimore & Ohio, 159, 368, 369, 457

Canadian National, 197, 369, 662
Canadian Pacific, 1210
Chesapeake & Ohio, 570
Chicago & Eastern Illinois, 114
Chicago, Burlington & Quincy, 160
Chicago, Indianapolis & Louisville, 662
Chicago, Milwaukee, St. Paul & Pacific, 663, 1210
Chicago, Rock Island & Pacific, 245, 518, 757, 1265

Denver & Rio Grande Western, 663
Detroit, Toledo & Ironton, 934
Duluth, Missabe & Iron Range, 809

Florida East Coast, 417

Grand Trunk Western, 245
Great Northern, 245, 757
Gulf, Colorado & Santa Fe, 712

Illinois Terminal, 285

Louisville & Nashville, 197, 712, 934

McCloud River, 518 1265
Minneapolis & St. Louis, 933 1210
Missouri Pacific, 160, 417, 1210

New Orleans Union Passenger Terminal, 809
New York Central, 369, 457

New York, Chicago & St. Louis, 323
New York, New Haven & Hartford, 323, 369, 417, 5
New York, Susquehanna & Western, 418, 518
Northern Pacific, 160, 518, 663, 934

Pennsylvania, 518, 712, 809

Reading, 418

Seaboard Air Line, 197, 757
Southern, 159, 369, 663

Texas & New Orleans, 518
Texas & Pacific, 1265

Union Pacific, 1210

Western Pacific, 757

FINANCIAL NEWS

Alleghany Corporation, 246, 667, 1155
Arkansas & Ozarks, 114, 286
Arkansas Western, 1020, 1155
Atlantic Coast Line, 324, 571, 667, 757, 1156

Baltimore & Ohio, 247
Bangor & Aroostook, 810
Belt of Chicago, 286, 672
Boston & Maine, 810
Boston & Providence, 714, 1211, 1266
Boston Terminal, 1266

Cambria & Indiana, 1155
Canadian Pacific, 715
Cedar Rapids & Iowa City, 418, 810
Central of Georgia, 519, 851, 1211
Central of New Jersey, 457, 672, 1105
Chesapeake & Ohio, 161, 519, 672, 1105
Chicago & Eastern Illinois, 571
Chicago & North Western, 198, 419, 627
Chicago, Burlington & Quincy, 457, 628, 673, 812
Chicago Great Western, 198, 667, 757, 759
Chicago, Milwaukee, St. Paul & Pacific, 369, 894, 1107
Chicago, Rock Island & Pacific, 198, 286, 519, 759, 1107
Chicago, St. Paul, Minneapolis & Omaha, 419, 627

Delaware & Hudson, 115
Delaware, Lackawanna & Western, 715, 895, 1156
Denver & Rio Grande Western, 247, 856, 1107
Des Moines & Central Iowa, 519
Detroit, Toledo & Ironton, 894

East Troy, Wisc., 198
Erie, 572, 759

Florida East Coast, 1105, 1155
Fort Smith & Van Buren, 571

Georgia & Florida, 457, 1266
Georgia, Florida & Alabama, 812, 1155
Grand Trunk Western, 1020
Great Northern, 418
Gulf, Mobile & Ohio, 115, 246, 247, 369, 852, 934, 1211, 1266

Houston Belt & Terminal, 246, 572

Illinois Central, 116, 246, 247, 894, 1155
Illinois Northern, 198, 457
Indiana Harbor Belt, 199, 325
International-Great Northern, 458, 673

Kansas City Southern, 1021
Kingsport, 324

Lackawanna & Wyoming Valley, 286, 812
Lehigh & New England, 812
Lehigh Valley, 115, 325, 369, 457, 519
Long Island, 160
Louisville & Nashville, 571

Maine Central, 418
McCloud River, 519
Missouri-Kansas-Texas, 161, 247, 286, 325, 1210, 1266
Missouri-Kansas-Texas of Texas, 759
Missouri Pacific, 160, 458, 673, 1061, 1105, 1211
Montana, Wyoming & Southern, 246

Nashville, Chattanooga & St. Louis, 812, 894, 1021
New York Central, 115, 812, 1106, 1211
New York, Chicago & St. Louis, 199, 672, 856, 935
New York, New Haven & Hartford, 572, 715, 894, 935, 1105, 1211

New York, Ontario & Western, 286, 369, 419, 8
1155, 1266
New York, Susquehanna & Western, 115, 519, 667, 11

Pecos Valley Southern, 519
Pennroad Corporation, 457, 894
Pennsylvania, 116, 247, 369, 457, 519, 628, 667, 6
852, 894, 1105, 1106, 1155, 1266
Pennsylvania Company, 1106
Peoria & Pekin Union, 199
Pittsburgh & Lake Erie, 1021, 1156
Pullman Company, 715

Railway Express Agency, 519
Reading, 116, 286, 325, 715, 856, 1021, 1211
Rutland, 894

St. Louis, Brownsville & Mexico, 458, 673
St. Louis-San Francisco, 246, 715, 895
St. Louis Southwestern, 572, 715, 852, 935
Savannah & Atlanta, 1155
Seaboard Air Line, 572, 759, 856, 1107
Smoky Mountain, 572
Southern, 161, 286, 419, 519, 759, 1155, 1266
Southern Pacific, 247, 325, 419, 572 673, 715

Tennessee Central, 286, 572, 812, 1105
Texas & Pacific, 667, 895, 1107

Union Pacific, 325

Wabash, 161, 894, 1106, 1155, 1211
Western Maryland, 117, 246, 458, 628, 852
Western Pacific, 1267
Wheeling & Lake Erie, 672, 856

ABANDONMENTS

Alton & Southern, 626
Atlantic Coast Line, 197, 325, 368, 416

Baltimore & Eastern, 1212
Bennettsville & Cheraw, 626

Chesapeake & Ohio, 245
Chicago & Eastern Illinois, 285, 325, 626
Chicago & North Western, 285, 368, 626
Chicago, Burlington & Quincy, 416, 1154
Chicago Great Western, 851
Chicago, Rock Island & Pacific, 1212
Colorado & Southern, 626
Cumberland & Pennsylvania, 519

Denver & Intermountain, 626, 1020
Denver & Rio Grande Western, 285
Des Moines & Central Iowa, 368, 1020
Duluth, Missabe & Iron Range, 416

East Tennessee & Western North Carolina, 851

Grand Trunk Western, 851

Illinois Terminal, 1154
International, 245, 626

Lehigh Valley 325, 519, 626, 1154
Lewiston & Youngstown Frontier, 713
Louisville & Nashville, 368

Madison, Illinois & St. Louis, 851
McCloud River, 518
Mississippi & Alabama, 417
Missouri-Kansas-Texas, 118, 368, 713
Missouri Pacific, 1154

New York, Susquehanna & Western, 245
Norfolk Southern, 245, 626
Northern Pacific, 285

Ohio & Morenci, 118
Ontario Car Ferry, 851

Pennsylvania-Reading Seashore, 713

St. Louis-San Francisco, 118, 417
Seaboard Air Line, 197, 851
Spokane, Portland & Seattle, 519

Tampa Southern, 197
Texas & New Orleans, 325, 1154, 1264
Texas Central, 368

Union Pacific, 246

Virginia & Truckee, 518, 851

30, 19

417, 5

419, 8

667, 11

667, 6

1